```
n =  2
somme des inverses des racines des entiers jusqu a n =  1.7071067811865475
2*sqrt(n) =  2.8284271247461903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  -0.4419357207137551
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  3.752216379926163

n =  3
somme des inverses des racines des entiers jusqu a n =  2.284457050376173
2*sqrt(n) =  3.4641016151377544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  -0.2117263384303556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  4.590623424371809

n =  4
somme des inverses des racines des entiers jusqu a n =  2.784457050376173
2*sqrt(n) =  4.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  0.03648997398010945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  5.270362845459945

n =  5
somme des inverses des racines des entiers jusqu a n =  3.231670645876131
2*sqrt(n) =  4.47213595499958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  0.28548237766547935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  5.854070576116629

n =  6
somme des inverses des racines des entiers jusqu a n =  3.639918936339994
2*sqrt(n) =  4.898979485566356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  0.5300043514383006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  6.372074885080383

n =  7
somme des inverses des racines des entiers jusqu a n =  4.0178834093492215
2*sqrt(n) =  5.291502622129181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  0.7683768081738682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  6.841673361556838

n =  8
somme des inverses des racines des entiers jusqu a n =  4.3714367999424955
2*sqrt(n) =  5.656854249492381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  1.0001970429125446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  7.273790685232298

n =  9
somme des inverses des racines des entiers jusqu a n =  4.7047701332758285
2*sqrt(n) =  6.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  1.2255597577637802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  7.67582795356811

n =  10
somme des inverses des racines des entiers jusqu a n =  5.0209978992926665
2*sqrt(n) =  6.324555320336759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  1.4447545624427134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  8.053063531733782

n =  11
somme des inverses des racines des entiers jusqu a n =  5.32250924387043
2*sqrt(n) =  6.6332495807108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  1.6581386430124292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  8.409412882009985

n =  12
somme des inverses des racines des entiers jusqu a n =  5.611184378465243
2*sqrt(n) =  6.928203230275509
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  1.866080915587509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  8.74787222006951

n =  13
somme des inverses des racines des entiers jusqu a n =  5.888534476577857
2*sqrt(n) =  7.211102550927978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  2.0689375285664413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  9.070792894558748

n =  14
somme des inverses des racines des entiers jusqu a n =  6.155795718490282
2*sqrt(n) =  7.483314773547883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  2.267041779032625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  9.380059103255512

n =  15
somme des inverses des racines des entiers jusqu a n =  6.413994608237443
2*sqrt(n) =  7.745966692414834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  2.4607008264126238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  9.67720745786594

n =  16
somme des inverses des racines des entiers jusqu a n =  6.663994608237443
2*sqrt(n) =  8.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  2.6501956128602187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  9.963510026019891

n =  17
somme des inverses des racines des entiers jusqu a n =  6.906530233273776
2*sqrt(n) =  8.246211251235321
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  2.8357822422791052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  10.24003358816343

n =  18
somme des inverses des racines des entiers jusqu a n =  7.142232493669292
2*sqrt(n) =  8.48528137423857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.0176939514424053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  10.507682918086653

n =  19
somme des inverses des racines des entiers jusqu a n =  7.371648227539854
2*sqrt(n) =  8.717797887081348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.196143243014908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  10.76723304156457

n =  20
somme des inverses des racines des entiers jusqu a n =  7.595255025289833
2*sqrt(n) =  8.94427190999916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.371323971545169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  11.019353711676155

n =  21
somme des inverses des racines des entiers jusqu a n =  7.813472915525826
2*sqrt(n) =  9.16515138991168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.5434132872882573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  11.264628273673392

n =  22
somme des inverses des racines des entiers jusqu a n =  8.026673631881437
2*sqrt(n) =  9.38083151964686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.7125734013885436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  11.503568411226018

n =  23
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somme des inverses des racines des entiers jusqu a n =  8.23518804593851
2*sqrt(n) =  9.591663046625438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  3.878953165796289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  11.736625819490014

n =  24
somme des inverses des racines des entiers jusqu a n =  8.439312191170442
2*sqrt(n) =  9.797958971132712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.0426894758847665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  11.964201551206685

n =  25
somme des inverses des racines des entiers jusqu a n =  8.639312191170442
2*sqrt(n) =  10.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.203908510231799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  12.1866535773341

n =  26
somme des inverses des racines des entiers jusqu a n =  8.835428326308625
2*sqrt(n) =  10.198039027185569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.3627268242640875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  12.404302961096311

n =  27
somme des inverses des racines des entiers jusqu a n =  9.0278784160385
2*sqrt(n) =  10.392304845413264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.519252314508935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  12.61743894331543

n =  28
somme des inverses des racines des entiers jusqu a n =  9.216860652543115
2*sqrt(n) =  10.583005244258363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.673585069183159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  12.826323164245965

n =  29
somme des inverses des racines des entiers jusqu a n =  9.402555990720167
2*sqrt(n) =  10.770329614269007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.825818119382533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  13.031193194162245

n =  30
somme des inverses des racines des entiers jusqu a n =  9.585130176555221
2*sqrt(n) =  10.954451150103322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  4.976038103541167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  13.2322655058344

n =  31
somme des inverses des racines des entiers jusqu a n =  9.764735478581997
2*sqrt(n) =  11.135528725660043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.124325856274897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  13.429737992802616

n =  32
somme des inverses des racines des entiers jusqu a n =  9.941512173878634
2*sqrt(n) =  11.313708498984761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.270756931285034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  13.623792115284624

n =  33
somme des inverses des racines des entiers jusqu a n =  10.115589829834331
2*sqrt(n) =  11.489125293076057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.415402066709578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  13.814594738709298
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n =  34
somme des inverses des racines des entiers jusqu a n =  10.28708841497684
2*sqrt(n) =  11.661903789690601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.558327600174439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.002299716898683

n =  35
somme des inverses des racines des entiers jusqu a n =  10.456119265922542
2*sqrt(n) =  11.832159566199232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.699595839809819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.18704926184394

n =  36
somme des inverses des racines des entiers jusqu a n =  10.622785932589208
2*sqrt(n) =  12.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.839265396643891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.368975134128055

n =  37
somme des inverses des racines des entiers jusqu a n =  10.787184919894566
2*sqrt(n) =  12.165525060596439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  5.977391483052215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.548199681818552

n =  38
somme des inverses des racines des entiers jusqu a n =  10.949406341025329
2*sqrt(n) =  12.328828005937952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.114026181311566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.724836750701146

n =  39
somme des inverses des racines des entiers jusqu a n =  11.109534494830415
2*sqrt(n) =  12.489995996796797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.249218685767149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  14.89899248476162

n =  40
somme des inverses des racines des entiers jusqu a n =  11.267648377838833
2*sqrt(n) =  12.649110640673518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.383015521659582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.070766032630488

n =  41
somme des inverses des racines des entiers jusqu a n =  11.42382213972744
2*sqrt(n) =  12.806248474865697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.515460743261388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.240250173117852

n =  42
somme des inverses des racines des entiers jusqu a n =  11.578125489689532
2*sqrt(n) =  12.96148139681572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.646596113632352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.407531870857406

n =  43
somme des inverses des racines des entiers jusqu a n =  11.730624060022135
2*sqrt(n) =  13.114877048604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.776461268010438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.572692771350782

n =  44
somme des inverses des racines des entiers jusqu a n =  11.881379732311018
2*sqrt(n) =  13.2664991614216
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  6.905093862603337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.73580964328073

n =  45
somme des inverses des racines des entiers jusqu a n =  12.030450930811003
2*sqrt(n) =  13.416407864998739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.032529710328419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  15.8969547747839

n =  46
somme des inverses des racines des entiers jusqu a n =  12.1778928869659
2*sqrt(n) =  13.564659966250536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.1588029048614406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.056196329395082

n =  47
somme des inverses des racines des entiers jusqu a n =  12.323757878463795
2*sqrt(n) =  13.711309200802088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.283945934192028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.213598666557118

n =  48
somme des inverses des racines des entiers jusqu a n =  12.4680954457612
2*sqrt(n) =  13.856406460551018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.407989784743126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.36922263090496

n =  49
somme des inverses des racines des entiers jusqu a n =  12.610952588618343
2*sqrt(n) =  14.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.5309640369893724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.523125813955314

n =  50
somme des inverses des racines des entiers jusqu a n =  12.752373944855652
2*sqrt(n) =  14.142135623730951
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.652896953402804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.675362791345023

n =  51
somme des inverses des racines des entiers jusqu a n =  12.892401953258453
2*sqrt(n) =  14.2828568570857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.773815559461374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.825985338347863

n =  52
somme des inverses des racines des entiers jusqu a n =  13.03107700231476
2*sqrt(n) =  14.422205101855956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  7.893745718374529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  16.97504262604667

n =  53
somme des inverses des racines des entiers jusqu a n =  13.16843756626345
2*sqrt(n) =  14.560219778561036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.012712200108913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.122581400237095

n =  54
somme des inverses des racines des entiers jusqu a n =  13.304520329751403
2*sqrt(n) =  14.696938456699069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.130738745234794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.268646144881206

n =  55
```

```
somme des inverses des racines des entiers jusqu a n =  13.43936030224405
2*sqrt(n) =  14.832396974191326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.247848124058853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.41327923170756

n =  56
somme des inverses des racines des entiers jusqu a n =  13.572990923200264
2*sqrt(n) =  14.966629547095765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.364062191460615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.556521057363337

n =  57
somme des inverses des racines des entiers jusqu a n =  13.705444158906769
2*sqrt(n) =  15.0996688705415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.47940193780695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.698410169358773

n =  58
somme des inverses des racines des entiers jusqu a n =  13.83675059176649
2*sqrt(n) =  15.231546211727817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.593887536281398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.838983381901027

n =  59
somme des inverses des racines des entiers jusqu a n =  13.966939502747314
2*sqrt(n) =  15.362291495737216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.707538386931494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  17.978275882590076

n =  60
somme des inverses des racines des entiers jusqu a n =  14.096038947620894
2*sqrt(n) =  15.491933384829668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.820373157707566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.116321330840716

n =  61
somme des inverses des racines des entiers jusqu a n =  14.22407582755379
2*sqrt(n) =  15.620499351813308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  8.932409822739997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.253151948799964

n =  62
somme des inverses des racines des entiers jusqu a n =  14.35107595455398
2*sqrt(n) =  15.748015748023622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.043665698078529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.388798605446166

n =  63
somme des inverses des racines des entiers jusqu a n =  14.477064112223722
2*sqrt(n) =  15.874507866387544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.154157475096012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.52329089448331

n =  64
somme des inverses des racines des entiers jusqu a n =  14.602064112223722
2*sqrt(n) =  16.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.263901251740327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.656657206579833

n =  65
somme des inverses des racines des entiers jusqu a n =  14.726098846812931
2*sqrt(n) =  16.1245154965971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.372912561801462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.788924796444917
```

```
n =  66
somme des inverses des racines des entiers jusqu a n =  14.849190337792264
2*sqrt(n) =  16.24807680927192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.481206402345496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  18.920119845185134

n =  67
somme des inverses des racines des entiers jusqu a n =  14.97135978214857
2*sqrt(n) =  16.3707055437449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.588797259453935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.050267518340384

n =  68
somme des inverses des racines des entiers jusqu a n =  15.092627594666736
2*sqrt(n) =  16.492422502470642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.695699132394536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.179392019958694

n =  69
somme des inverses des racines des entiers jusqu a n =  15.213013447752505
2*sqrt(n) =  16.61324772583615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.801925556338889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.307516643034777

n =  70
somme des inverses des racines des entiers jusqu a n =  15.332536308685945
2*sqrt(n) =  16.73320053068151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  9.907489623732152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.43466381660619

n =  71
somme des inverses des racines des entiers jusqu a n =  15.451214474505331
2*sqrt(n) =  16.852299546352718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.012404004411403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.560855149773374

n =  72
somme des inverses des racines des entiers jusqu a n =  15.56906560470309
2*sqrt(n) =  16.97056274847714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.116680964561082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.686111472885166

n =  73
somme des inverses des racines des entiers jusqu a n =  15.68610675189922
2*sqrt(n) =  17.08800749063506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.22033238458667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.810452876109256

n =  74
somme des inverses des racines des entiers jusqu a n =  15.80235439064304
2*sqrt(n) =  17.204650534085253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.323369775981083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  19.93389874558734

n =  75
somme des inverses des racines des entiers jusqu a n =  15.917824444480965
2*sqrt(n) =  17.320508075688775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.425804297252464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.05646779735693

n =  76
somme des inverses des racines des entiers jusqu a n =  16.032532311416247
2*sqrt(n) =  17.435595774162696
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.527646768976364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.17817810920586

n =  77
somme des inverses des racines des entiers jusqu a n =  16.146492887875887
2*sqrt(n) =  17.549928774784245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.62890768803056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.299047150611084

n =  78
somme des inverses des racines des entiers jusqu a n =  16.259720591290346
2*sqrt(n) =  17.663521732655695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.729597241066104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.41909181090049

n =  79
somme des inverses des racines des entiers jusqu a n =  16.372229381382947
2*sqrt(n) =  17.776388834631177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.829725317264154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.538328425764686

n =  80
somme des inverses des racines des entiers jusqu a n =  16.484032780257937
2*sqrt(n) =  17.88854381999832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  10.929301520424437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.65677280223526

n =  81
somme des inverses des racines des entiers jusqu a n =  16.595143891369048
2*sqrt(n) =  18.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.02833518042756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.774440242236217

n =  82
somme des inverses des racines des entiers jusqu a n =  16.705575417443896
2*sqrt(n) =  18.110770276274835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.126835364110581
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  20.89134556480696

n =  83
somme des inverses des racines des entiers jusqu a n =  16.815339677433585
2*sqrt(n) =  18.2208671582886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.224810885592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.007503127086895

n =  84
somme des inverses des racines des entiers jusqu a n =  16.92444862255158
2*sqrt(n) =  18.33030277982336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.322270316080045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.122926844145017

n =  85
somme des inverses des racines des entiers jusqu a n =  17.032913851460908
2*sqrt(n) =  18.439088914585774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.419221993195457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.23763020773093

n =  86
somme des inverses des racines des entiers jusqu a n =  17.140746624664345
2*sqrt(n) =  18.547236990991408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.5156740298379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.35162630401816

n =  87
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somme des inverses des racines des entiers jusqu a n =  17.247957878148124
2*sqrt(n) =  18.65475810617763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.611634322623047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.46492783040492

n =  88
somme des inverses des racines des entiers jusqu a n =  17.35455823632593
2*sqrt(n) =  18.76166303929372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.707110559915511
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.57754711143282

n =  89
somme des inverses des racines des entiers jusqu a n =  17.460558024326563
2*sqrt(n) =  18.867962264113206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.802110229481066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.689496113879276

n =  90
somme des inverses des racines des entiers jusqu a n =  17.565967279665507
2*sqrt(n) =  18.973665961010276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.89664062578001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.800786461075408

n =  91
somme des inverses des racines des entiers jusqu a n =  17.6707957633377
2*sqrt(n) =  19.078784028338912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  11.990708856922062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  21.911429446497337

n =  92
somme des inverses des racines des entiers jusqu a n =  17.77505297036624
2*sqrt(n) =  19.183326093250876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.084321851301835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.021436046675394

n =  93
somme des inverses des racines des entiers jusqu a n =  17.87874813983928
2*sqrt(n) =  19.28730152198591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.177486363932653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.130816933462537

n =  94
somme des inverses des racines des entiers jusqu a n =  17.98189026446516
2*sqrt(n) =  19.390719429665317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.270208982495314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.239582485700318

n =  95
somme des inverses des racines des entiers jusqu a n =  18.084488099673678
2*sqrt(n) =  19.493588689617926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.362496133117384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.347742800318194

n =  96
somme des inverses des racines des entiers jusqu a n =  18.186550172289643
2*sqrt(n) =  19.595917942265423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.454354085897586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.45530770289934

n =  97
somme des inverses des racines des entiers jusqu a n =  18.288084788803005
2*sqrt(n) =  19.697715603592208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.545788960188824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.562286757743898
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n =  98
somme des inverses des racines des entiers jusqu a n =  18.389100043258225
2*sqrt(n) =  19.79898987322333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.636806729652758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.668689277458615

n =  99
somme des inverses des racines des entiers jusqu a n =  18.489603824784147
2*sqrt(n) =  19.8997487421324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.727413227097808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.77452433209969

n =  100
somme des inverses des racines des entiers jusqu a n =  18.58960382478415
2*sqrt(n) =  20.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.817614149111908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.879800757894046

n =  101
somme des inverses des racines des entiers jusqu a n =  18.689107543805147
2*sqrt(n) =  20.09975124224178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.90741506050052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  22.984527165562408

n =  102
somme des inverses des racines des entiers jusqu a n =  18.788122298102813
2*sqrt(n) =  20.199009876724155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  12.996821398539884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.08871194826629

n =  103
somme des inverses des racines des entiers jusqu a n =  18.88665522591924
2*sqrt(n) =  20.29778313018444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.085838477054802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.192363289199253

n =  104
somme des inverses des racines des entiers jusqu a n =  18.984713293488333
2*sqrt(n) =  20.396078054371138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.174471490329765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.295489168841822

n =  105
somme des inverses des racines des entiers jusqu a n =  19.082303300783188
2*sqrt(n) =  20.493901531919196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.262725516861673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.398097371897958

n =  106
somme des inverses des racines des entiers jusqu a n =  19.179431887018914
2*sqrt(n) =  20.591260281974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.350605522961933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.500195493930033

n =  107
somme des inverses des racines des entiers jusqu a n =  19.27610553592348
2*sqrt(n) =  20.688160865577203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.438116366215295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.601790947708157

n =  108
somme des inverses des racines des entiers jusqu a n =  19.372330580788418
2*sqrt(n) =  20.784609690826528
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.525262798802308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.702890969288635

n =  109
somme des inverses des racines des entiers jusqu a n =  19.468113209310534
2*sqrt(n) =  20.8806130178211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.612049470691959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.803502623835673

n =  110
somme des inverses des racines des entiers jusqu a n =  19.56345946823509
2*sqrt(n) =  20.97617696340303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.698480932710615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  23.903632811199238

n =  111
somme des inverses des racines des entiers jusqu a n =  19.658375267810342
2*sqrt(n) =  21.071307505705477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.784561639493143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.003288271261642

n =  112
somme des inverses des racines des entiers jusqu a n =  19.75286638606265
2*sqrt(n) =  21.166010488516726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.870295952321632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.102475589064273

n =  113
somme des inverses des racines des entiers jusqu a n =  19.84693847290101
2*sqrt(n) =  21.2602916254693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  13.955688141856958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.20120119972547

n =  114
somme des inverses des racines des entiers jusqu a n =  19.94059705405918
2*sqrt(n) =  21.354156504062622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.040742390768127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.29947139315987

n =  115
somme des inverses des racines des entiers jusqu a n =  20.03384753488321
2*sqrt(n) =  21.447610589527216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.125462796263967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.39729231860884

n =  116
somme des inverses des racines des entiers jusqu a n =  20.12669520397174
2*sqrt(n) =  21.540659228538015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.20985337253165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.494669988991195

n =  117
somme des inverses des racines des entiers jusqu a n =  20.219145236675942
2*sqrt(n) =  21.633307652783937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.293918053086184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.591610285082815

n =  118
somme des inverses des racines des entiers jusqu a n =  20.311202698465774
2*sqrt(n) =  21.72556098240043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.377660693034766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.688118959533263

n =  119
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somme des inverses des racines des entiers jusqu a n =  20.402872548168595
2*sqrt(n) =  21.817424229271428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.461085071259898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.78420164072719

n =  120
somme des inverses des racines des entiers jusqu a n =  20.494159641086124
2*sqrt(n) =  21.908902300206645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.544194892524601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.879863836497666

n =  121
somme des inverses des racines des entiers jusqu a n =  20.585068731995214
2*sqrt(n) =  22.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.62699378950326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  24.97511093769837

n =  122
somme des inverses des racines des entiers jusqu a n =  20.675604478037734
2*sqrt(n) =  22.090722034374522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.709485324741266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.069948221641148

n =  123
somme des inverses des racines des entiers jusqu a n =  20.765771441504477
2*sqrt(n) =  22.181073012818835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.79167299254642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.164380855405042

n =  124
somme des inverses des racines des entiers jusqu a n =  20.855574092517863
2*sqrt(n) =  22.271057451320086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.873560220815051
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.258413899022603

n =  125
somme des inverses des racines des entiers jusqu a n =  20.945016811617855
2*sqrt(n) =  22.360679774997898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  14.955150372795597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.352052308549048

n =  126
somme des inverses des racines des entiers jusqu a n =  21.03410389225533
2*sqrt(n) =  22.44994432064365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.036446748792173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.445300939019386

n =  127
somme des inverses des racines des entiers jusqu a n =  21.122839543196942
2*sqrt(n) =  22.538855339169288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.1174525878107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.53816454729858

n =  128
somme des inverses des racines des entiers jusqu a n =  21.21122789084526
2*sqrt(n) =  22.627416997969522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.198171069149907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.63064779482933

n =  129
somme des inverses des racines des entiers jusqu a n =  21.299272981477824
2*sqrt(n) =  22.715633383201094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.278605313939423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.722755250281928
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n =  130
somme des inverses des racines des entiers jusqu a n =  21.386978783408527
2*sqrt(n) =  22.80350850198276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.358758386627176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.814491392110547

n =  131
somme des inverses des racines des entiers jusqu a n =  21.47434918907463
2*sqrt(n) =  22.891046284519195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.438633296418043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.90586061101977

n =  132
somme des inverses des racines des entiers jusqu a n =  21.56138801705248
2*sqrt(n) =  22.978250586152114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.518232998665745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  25.996867212345297

n =  133
somme des inverses des racines des entiers jusqu a n =  21.64809901400489
2*sqrt(n) =  23.065125189341593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.59756039621984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.08751541835247

n =  134
somme des inverses des racines des entiers jusqu a n =  21.734485856563026
2*sqrt(n) =  23.15167380558045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.67661834072954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.177809370455904

n =  135
somme des inverses des racines des entiers jusqu a n =  21.820552153145414
2*sqrt(n) =  23.2379000772445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.755409633906073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.267753131363715

n =  136
somme des inverses des racines des entiers jusqu a n =  21.906301445716668
2*sqrt(n) =  23.323807579381203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.83393702874515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.35735068714923

n =  137
somme des inverses des racines des entiers jusqu a n =  21.991737211488346
2*sqrt(n) =  23.40939982143925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.912203230711128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.446605949253314

n =  138
somme des inverses des racines des entiers jusqu a n =  22.07686286456422
2*sqrt(n) =  23.49468024894146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  15.990210898884257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.53552275642006

n =  139
somme des inverses des racines des entiers jusqu a n =  22.161681757532218
2*sqrt(n) =  23.57965224510319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.067962647072502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.624104876568534

n =  140
somme des inverses des racines des entiers jusqu a n =  22.24619718300507
2*sqrt(n) =  23.664319132398465
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.145461044889164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.712356008603116

n =  141
somme des inverses des racines des entiers jusqu a n =  22.33041237511172
2*sqrt(n) =  23.748684174075834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.222708618797665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.800279784164918

n =  142
somme des inverses des racines des entiers jusqu a n =  22.41433051094139
2*sqrt(n) =  23.83275057562597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.29970785312471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.8878797693266

n =  143
somme des inverses des racines des entiers jusqu a n =  22.4979547119421
2*sqrt(n) =  23.916521486202797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.37646119104289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  26.97515946623275

n =  144
somme des inverses des racines des entiers jusqu a n =  22.581288045275432
2*sqrt(n) =  24.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.452971035524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.062122314688

n =  145
somme des inverses des racines des entiers jusqu a n =  22.664333525129173
2*sqrt(n) =  24.08318915758459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.52923975026402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.14877169369488

n =  146
somme des inverses des racines des entiers jusqu a n =  22.74709411398941
2*sqrt(n) =  24.166091947189145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.60526966058081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.23511092294331

n =  147
somme des inverses des racines des entiers jusqu a n =  22.829572723873643
2*sqrt(n) =  24.24871130596428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.68106305428555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.32114326425365

n =  148
somme des inverses des racines des entiers jusqu a n =  22.91177221752632
2*sqrt(n) =  24.331050121192877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.756622182528762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.406871922974933

n =  149
somme des inverses des racines des entiers jusqu a n =  22.993695409578223
2*sqrt(n) =  24.413111231467404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.831949260621947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.492300049340134

n =  150
somme des inverses des racines des entiers jusqu a n =  23.075345067670995
2*sqrt(n) =  24.49489742783178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.907046468835528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.577430739779906

n =  151
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somme des inverses des racines des entiers jusqu a n =  23.15672391354811
2*sqrt(n) =  24.576411454889016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  16.98191595317409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.662267038196475

n =  152
somme des inverses des racines des entiers jusqu a n =  23.23783462411349
2*sqrt(n) =  24.657656011875904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.05655982612963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.74681193719904

n =  153
somme des inverses des racines des entiers jusqu a n =  23.318679832458933
2*sqrt(n) =  24.73863375370596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.13098016741353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.831068379302177

n =  154
somme des inverses des racines des entiers jusqu a n =  23.399262128861473
2*sqrt(n) =  24.819347291981714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.205179024668087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.915039258088527

n =  155
somme des inverses des racines des entiers jusqu a n =  23.479584061751723
2*sqrt(n) =  24.899799195977465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.27915841415822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  27.998727419337087

n =  156
somme des inverses des racines des entiers jusqu a n =  23.559648138654268
2*sqrt(n) =  24.979991993593593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.352920321444056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.08213566211836

n =  157
somme des inverses des racines des entiers jusqu a n =  23.63945682710103
2*sqrt(n) =  25.059928172283335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.42646670203503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.16526673985749

n =  158
somme des inverses des racines des entiers jusqu a n =  23.719012555518603
2*sqrt(n) =  25.13961017995307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.499799482026106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.248123361366552

n =  159
somme des inverses des racines des entiers jusqu a n =  23.798317714090416
2*sqrt(n) =  25.219040425836983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.572920558716753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.330708191847098

n =  160
somme des inverses des racines des entiers jusqu a n =  23.877374655594625
2*sqrt(n) =  25.298221281347036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.64583180121321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.413023853863947

n =  161
somme des inverses des racines des entiers jusqu a n =  23.956185696218537
2*sqrt(n) =  25.37715508089904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.71853505101458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.495072928291272
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n =  162
somme des inverses des racines des entiers jusqu a n =  24.034753116350377
2*sqrt(n) =  25.45584412271571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.791032122583328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.5768579552319

n =  163
somme des inverses des racines des entiers jusqu a n =  24.113079161349173
2*sqrt(n) =  25.534290669607408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.863324803900646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.658381434910787

n =  164
somme des inverses des racines des entiers jusqu a n =  24.191166042293474
2*sqrt(n) =  25.612496949731394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  17.935414857007196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.73964582854349

n =  165
somme des inverses des racines des entiers jusqu a n =  24.269015936709625
2*sqrt(n) =  25.69046515733026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.00730401852968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.82065355918055

n =  166
somme des inverses des racines des entiers jusqu a n =  24.346630989280257
2*sqrt(n) =  25.768197453450252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.07899400019371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.901407012528523

n =  167
somme des inverses des racines des entiers jusqu a n =  24.42401331253367
2*sqrt(n) =  25.84569596664017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.150486489323416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  28.98190853774855

n =  168
somme des inverses des racines des entiers jusqu a n =  24.501164987514716
2*sqrt(n) =  25.92296279363144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.221783149328186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.06216044823307

n =  169
somme des inverses des racines des entiers jusqu a n =  24.578088064437793
2*sqrt(n) =  26.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.29288562017693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.142165022361535

n =  170
somme des inverses des racines des entiers jusqu a n =  24.65478456332253
2*sqrt(n) =  26.076809620810597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.363795518860336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.221924504235727

n =  171
somme des inverses des racines des entiers jusqu a n =  24.731256474612717
2*sqrt(n) =  26.153393661244042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.434514439841383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.30144110439537

n =  172
somme des inverses des racines des entiers jusqu a n =  24.80750575977902
2*sqrt(n) =  26.229754097208
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.50504395549455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.380717000514725

n =  173
somme des inverses des racines des entiers jusqu a n =  24.88353435190599
2*sqrt(n) =  26.30589287593181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.57538561653403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.4597543380807

n =  174
somme des inverses des racines des entiers jusqu a n =  24.95934415626388
2*sqrt(n) =  26.38181191654584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.64554095243131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.538555231053103

n =  175
somme des inverses des racines des entiers jusqu a n =  25.03493705086573
2*sqrt(n) =  26.457513110645905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.715511471822392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.61712176250766

n =  176
somme des inverses des racines des entiers jusqu a n =  25.11031488701017
2*sqrt(n) =  26.5329983228432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.78529866290505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.695455985262274

n =  177
somme des inverses des racines des entiers jusqu a n =  25.18547948981045
2*sqrt(n) =  26.60826939130014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.854903993826312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.773559922487053

n =  178
somme des inverses des racines des entiers jusqu a n =  25.260432658710037
2*sqrt(n) =  26.68332812825267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.924328913060585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.851435568298708

n =  179
somme des inverses des racines des entiers jusqu a n =  25.33517616798523
2*sqrt(n) =  26.758176320519304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  18.99357484977855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  29.92908488833968

n =  180
somme des inverses des racines des entiers jusqu a n =  25.409711767235226
2*sqrt(n) =  26.832815729997478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.062643214207267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.006509820342583

n =  181
somme des inverses des racines des entiers jusqu a n =  25.484041181859943
2*sqrt(n) =  26.90724809414742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.131535397981594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.08371227468033

n =  182
somme des inverses des racines des entiers jusqu a n =  25.558166113526052
2*sqrt(n) =  26.981475126464083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.20025277448729
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.16069413490248

n =  183
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somme des inverses des racines des entiers jusqu a n =  25.63208824062151
2*sqrt(n) =  27.055498516937366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.268796699195946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.237457258258075

n =  184
somme des inverses des racines des entiers jusqu a n =  25.70580921869896
2*sqrt(n) =  27.129319932501073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.337168509992086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.314003476205563

n =  185
somme des inverses des racines des entiers jusqu a n =  25.77933068090834
2*sqrt(n) =  27.202941017470888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.405369527492564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.390334594910048

n =  186
somme des inverses des racines des entiers jusqu a n =  25.852654238419017
2*sqrt(n) =  27.27636339397171
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.47340105535851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.46645239572831

n =  187
somme des inverses des racines des entiers jusqu a n =  25.92578148083173
2*sqrt(n) =  27.349588662354687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.5412643806001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.54235863568198

n =  188
somme des inverses des racines des entiers jusqu a n =  25.998713976580678
2*sqrt(n) =  27.422618401604176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.608960773874227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.61805504791915

n =  189
somme des inverses des racines des entiers jusqu a n =  26.071453273326007
2*sqrt(n) =  27.49545416973504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.676491489775398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.693543342164862

n =  190
somme des inverses des racines des entiers jusqu a n =  26.14400089833701
2*sqrt(n) =  27.568097504180443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.74385776711996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.768825205160685

n =  191
somme des inverses des racines des entiers jusqu a n =  26.216358358866252
2*sqrt(n) =  27.640549922170507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.81106082922388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.84390230109382

n =  192
somme des inverses des racines des entiers jusqu a n =  26.288527142514955
2*sqrt(n) =  27.712812921102035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.878101884174253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.918776272015926

n =  193
somme des inverses des racines des entiers jusqu a n =  26.360508717589823
2*sqrt(n) =  27.784887978899608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  19.94498212509472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  30.99344873825205
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n =  194
somme des inverses des racines des entiers jusqu a n =  26.432304533451596
2*sqrt(n) =  27.85677655436824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.01170273040491
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.067921298799902

n =  195
somme des inverses des racines des entiers jusqu a n =  26.503916020855538
2*sqrt(n) =  27.92848008753788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.078264864074136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.142195531719754

n =  196
somme des inverses des racines des entiers jusqu a n =  26.57534459228411
2*sqrt(n) =  28.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.144669675869483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.216272994515258

n =  197
somme des inverses des racines des entiers jusqu a n =  26.64659164227202
2*sqrt(n) =  28.071337695236398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.21091830159841
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.29015522450539

n =  198
somme des inverses des racines des entiers jusqu a n =  26.717658547723893
2*sqrt(n) =  28.142494558940577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.277011863346043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.363843739187843

n =  199
somme des inverses des racines des entiers jusqu a n =  26.788546668224726
2*sqrt(n) =  28.21347195933177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.342951469707277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.437340036594016

n =  200
somme des inverses des racines des entiers jusqu a n =  26.85925734634338
2*sqrt(n) =  28.284271247461902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.408738216013866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.510645595635918

n =  201
somme des inverses des racines des entiers jusqu a n =  26.92979190792924
2*sqrt(n) =  28.35489375751565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.474373184556576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.583761876445188

n =  202
somme des inverses des racines des entiers jusqu a n =  27.000151662402267
2*sqrt(n) =  28.42534080710379
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.539857444802585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.656690320704392

n =  203
somme des inverses des racines des entiers jusqu a n =  27.070337903036627
2*sqrt(n) =  28.495613697550013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.605192053608228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.729432351970907

n =  204
somme des inverses des racines des entiers jusqu a n =  27.140351907238028
2*sqrt(n) =  28.5657137141714
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.670378055427186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.801989375993507

n =  205
somme des inverses des racines des entiers jusqu a n =  27.210194936814986
2*sqrt(n) =  28.635642126552707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.7354164825143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.87436278102191

n =  206
somme des inverses des racines des entiers jusqu a n =  27.27986823824415
2*sqrt(n) =  28.705400188814647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.800308355125065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  31.946553938109435

n =  207
somme des inverses des racines des entiers jusqu a n =  27.34937304292984
2*sqrt(n) =  28.77498913987632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.86505468171095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.018564201409006

n =  208
somme des inverses des racines des entiers jusqu a n =  27.418710567457996
2*sqrt(n) =  28.844410203711913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.929656459110596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.09039490846257

n =  209
somme des inverses des racines des entiers jusqu a n =  27.487882013844605
2*sqrt(n) =  28.91366458960192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  20.994114672737112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.16204738048433

n =  210
somme des inverses des racines des entiers jusqu a n =  27.556888569778838
2*sqrt(n) =  28.982753492378876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.058430296761408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.23352292263761

n =  211
somme des inverses des racines des entiers jusqu a n =  27.62573140886099
2*sqrt(n) =  29.0516780926679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.122604294291833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.30482282430593

n =  212
somme des inverses des racines des entiers jusqu a n =  27.694411690835334
2*sqrt(n) =  29.120439557122072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.186637617550062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.37594835935808

n =  213
somme des inverses des racines des entiers jusqu a n =  27.762930561818088
2*sqrt(n) =  29.189039038652847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.250531208043423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.44690078640756

n =  214
somme des inverses des racines des entiers jusqu a n =  27.831289154520555
2*sqrt(n) =  29.257477676655586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.314285996733737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.517681349066514

n =  215
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somme des inverses des racines des entiers jusqu a n =  27.8994885884676
2*sqrt(n) =  29.32575659723036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.3779029042027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.58829127619419

n =  216
somme des inverses des racines des entiers jusqu a n =  27.96752997021158
2*sqrt(n) =  29.393876913398138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.441382840813976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.65873178214022

n =  217
somme des inverses des racines des entiers jusqu a n =  28.035414393541792
2*sqrt(n) =  29.46183972531247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.50472670687201
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.729004066982704

n =  218
somme des inverses des racines des entiers jusqu a n =  28.10314293968965
2*sqrt(n) =  29.5296461204668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.567935392777713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.799109316761346

n =  219
somme des inverses des racines des entiers jusqu a n =  28.1707166775296
2*sqrt(n) =  29.597297173897484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.631009779180985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.86904870370574

n =  220
somme des inverses des racines des entiers jusqu a n =  28.238136663775926
2*sqrt(n) =  29.664793948382652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.69395073713029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  32.938823386458836

n =  221
somme des inverses des racines des entiers jusqu a n =  28.305403943175556
2*sqrt(n) =  29.732137494637012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.75675912821926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.00843451029589

n =  222
somme des inverses des racines des entiers jusqu a n =  28.372519548696957
2*sqrt(n) =  29.79932885150268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.8194358047304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.07788320733882

n =  223
somme des inverses des racines des entiers jusqu a n =  28.4394845017152
2*sqrt(n) =  29.866369046136157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.881981609776037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.147170596766216

n =  224
somme des inverses des racines des entiers jusqu a n =  28.506299812193305
2*sqrt(n) =  29.93325909419153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  21.94439737743649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.21629778501905

n =  225
somme des inverses des racines des entiers jusqu a n =  28.57296647885997
2*sqrt(n) =  30.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.00668393289558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.28526586600221
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n =  226
somme des inverses des racines des entiers jusqu a n =  28.639485489383745
2*sqrt(n) =  30.066592756745816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.06884209257353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.35407592128196

n =  227
somme des inverses des racines des entiers jusqu a n =  28.70585782054374
2*sqrt(n) =  30.133038346638727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.130872664257325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.422729020279434

n =  228
somme des inverses des racines des entiers jusqu a n =  28.772084438396995
2*sqrt(n) =  30.199337741083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.19277644722856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.49122622046022

n =  229
somme des inverses des racines des entiers jusqu a n =  28.838166298442502
2*sqrt(n) =  30.265491900843113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.254554232388873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.55956856752024

n =  230
somme des inverses des racines des entiers jusqu a n =  28.90410434578208
2*sqrt(n) =  30.331501776206203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.316206802383007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.6277570955678

n =  231
somme des inverses des racines des entiers jusqu a n =  28.96989951527806
2*sqrt(n) =  30.397368307141328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.377734931719534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.69579282730223

n =  232
somme des inverses des racines des entiers jusqu a n =  29.03555273170792
2*sqrt(n) =  30.463092423455635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.439139386889327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.763676774188795

n =  233
somme des inverses des racines des entiers jusqu a n =  29.101064909915962
2*sqrt(n) =  30.528675044947494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.500420926481794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.831409936630344

n =  234
somme des inverses des racines des entiers jusqu a n =  29.166436954962023
2*sqrt(n) =  30.59411708155671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.56158030129901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.898993304135566

n =  235
somme des inverses des racines des entiers jusqu a n =  29.231669762267366
2*sqrt(n) =  30.659419433511783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.622618254467625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  33.966427855483865

n =  236
somme des inverses des racines des entiers jusqu a n =  29.29676421775778
2*sqrt(n) =  30.72458299147443
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.683535521548823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.03371455888724

n =  237
somme des inverses des racines des entiers jusqu a n =  29.36172119800394
2*sqrt(n) =  30.789608636681304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.744332830646176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.10085437214887

n =  238
somme des inverses des racines des entiers jusqu a n =  29.42654157035916
2*sqrt(n) =  30.854497241083024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.80501090251155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.16784824281876

n =  239
somme des inverses des racines des entiers jusqu a n =  29.491226193094473
2*sqrt(n) =  30.919249667480614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.865570450649106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.234697108346374

n =  240
somme des inverses des racines des entiers jusqu a n =  29.555775915531264
2*sqrt(n) =  30.983866769659336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.926012181417345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.30140189623033

n =  241
somme des inverses des racines des entiers jusqu a n =  29.620191578171347
2*sqrt(n) =  31.04834939252005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  22.986336794129397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.367963524165376

n =  242
somme des inverses des racines des entiers jusqu a n =  29.68447401282467
2*sqrt(n) =  31.11269837220809
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.046544981151403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.434382900186435

n =  243
somme des inverses des racines des entiers jusqu a n =  29.748624042734626
2*sqrt(n) =  31.176914536239792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.106637427999246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.50066092281007

n =  244
somme des inverses des racines des entiers jusqu a n =  29.812642482701072
2*sqrt(n) =  31.240998703626616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.166614813433416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.56679848117322

n =  245
somme des inverses des racines des entiers jusqu a n =  29.876530139201066
2*sqrt(n) =  31.304951684997057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.226477809552332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.63279645516943

n =  246
somme des inverses des racines des entiers jusqu a n =  29.9402878105074
2*sqrt(n) =  31.368774282716245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.286227081883883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.698655715582426

n =  247
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somme des inverses des racines des entiers jusqu a n =  30.003916286804976
2*sqrt(n) =  31.432467291003423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.345863289475446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.76437712421741

n =  248
somme des inverses des racines des entiers jusqu a n =  30.06741635030507
2*sqrt(n) =  31.496031496047245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.405387084982262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.829961534029735

n =  249
somme des inverses des racines des entiers jusqu a n =  30.13078877535752
2*sqrt(n) =  31.559467676119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.464799114754292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.89540978925135

n =  250
somme des inverses des racines des entiers jusqu a n =  30.194034328560885
2*sqrt(n) =  31.622776601683793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.524100018921548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  34.96072272551492

n =  251
somme des inverses des racines des entiers jusqu a n =  30.257153768870666
2*sqrt(n) =  31.68595903550972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.583290431477938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.02590116997561

n =  252
somme des inverses des racines des entiers jusqu a n =  30.320147847705538
2*sqrt(n) =  31.74901573277509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.642370980363665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.0909459414308

n =  253
somme des inverses des racines des entiers jusqu a n =  30.38301730905173
2*sqrt(n) =  31.811947441173732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.701342287546215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.15585785043749

n =  254
somme des inverses des racines des entiers jusqu a n =  30.445762889565547
2*sqrt(n) =  31.874754901018456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.76020496909992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.220637699427726

n =  255
somme des inverses des racines des entiers jusqu a n =  30.508385318674062
2*sqrt(n) =  31.937438845342623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.818959635284198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.285286282821836

n =  256
somme des inverses des racines des entiers jusqu a n =  30.570885318674062
2*sqrt(n) =  32.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.877606890620438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.349804387139784

n =  257
somme des inverses des racines des entiers jusqu a n =  30.633263604829242
2*sqrt(n) =  32.0624390837628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.93614733396758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.41419279111041
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n =  258
somme des inverses des racines des entiers jusqu a n =  30.69552088546571
2*sqrt(n) =  32.12475680841802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  23.994581558596405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.478452265778834

n =  259
somme des inverses des racines des entiers jusqu a n =  30.75765786206583
2*sqrt(n) =  32.18695387886216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.052910152262626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.54258357461193

n =  260
somme des inverses des racines des entiers jusqu a n =  30.819675229360435
2*sqrt(n) =  32.2490309931942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.11113369727867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.60658747360196

n =  261
somme des inverses des racines des entiers jusqu a n =  30.881573675419453
2*sqrt(n) =  32.31098884280702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.16925277058433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.67046471136837

n =  262
somme des inverses des racines des entiers jusqu a n =  30.943353881740975
2*sqrt(n) =  32.37282811247729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.227267943816198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.734216029257844

n =  263
somme des inverses des racines des entiers jusqu a n =  31.005016523338796
2*sqrt(n) =  32.43454948045371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.28517978337595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.797842161442595

n =  264
somme des inverses des racines des entiers jusqu a n =  31.066562268828463
2*sqrt(n) =  32.49615361854384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.34298885049753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.861343835017

n =  265
somme des inverses des racines des entiers jusqu a n =  31.12799178051186
2*sqrt(n) =  32.55764119219941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.400695701313193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.924721770092525

n =  266
somme des inverses des racines des entiers jusqu a n =  31.189305714460357
2*sqrt(n) =  32.61901286060018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.458300886918483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  35.987976679891034

n =  267
somme des inverses des racines des entiers jusqu a n =  31.250504720596567
2*sqrt(n) =  32.68026927673638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.515804953436135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.05110927083651

n =  268
somme des inverses des racines des entiers jusqu a n =  31.311589442774718
2*sqrt(n) =  32.7414110874898
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.573208442078947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.114120242645235

n =  269
somme des inverses des racines des entiers jusqu a n =  31.372560518859686
2*sqrt(n) =  32.802438933713454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.630511889211615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.17701028841437

n =  270
somme des inverses des racines des entiers jusqu a n =  31.433418580804705
2*sqrt(n) =  32.863353450309965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.68771582641159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.239780094709154

n =  271
somme des inverses des racines des entiers jusqu a n =  31.494164254727785
2*sqrt(n) =  32.92415526630866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.744820780528958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.30243034164851

n =  272
somme des inverses des racines des entiers jusqu a n =  31.55479816098687
2*sqrt(n) =  32.984845004941285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.80182727374529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.364961702989284

n =  273
somme des inverses des racines des entiers jusqu a n =  31.61532091425375
2*sqrt(n) =  33.04542328371661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.85873582363165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.42737484620909

n =  274
somme des inverses des racines des entiers jusqu a n =  31.675733123586767
2*sqrt(n) =  33.1058907144937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.915546943205626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.48967043258774

n =  275
somme des inverses des racines des entiers jusqu a n =  31.73603539250232
2*sqrt(n) =  33.166247903554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  24.97226114098743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.55184911728729

n =  276
somme des inverses des racines des entiers jusqu a n =  31.796228319045206
2*sqrt(n) =  33.2264954516723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.02887892105515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.613911549430874

n =  277
somme des inverses des racines des entiers jusqu a n =  31.856312495857818
2*sqrt(n) =  33.28663395418648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.08540078309914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.67585837218015

n =  278
somme des inverses des racines des entiers jusqu a n =  31.916288510248226
2*sqrt(n) =  33.34666400106613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.141827222475495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.73769022281145

n =  279
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```
somme des inverses des racines des entiers jusqu a n =  31.976156944257152
2*sqrt(n) =  33.406586176980134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.198158730258772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.79940773279082

n =  280
somme des inverses des racines des entiers jusqu a n =  32.03591837472387
2*sqrt(n) =  33.46640106136302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.254395793293774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.86101152784765

n =  281
somme des inverses des racines des entiers jusqu a n =  32.09557337335106
2*sqrt(n) =  33.52610922848042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.31053889424668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.9225022280473

n =  282
somme des inverses des racines des entiers jusqu a n =  32.1551225067686
2*sqrt(n) =  33.58571124749333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.366588511655216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  36.98388044786239

n =  283
somme des inverses des racines des entiers jusqu a n =  32.21456633659638
2*sqrt(n) =  33.645207682521445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.422545119978206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.04514679624307

n =  284
somme des inverses des racines des entiers jusqu a n =  32.27390541950607
2*sqrt(n) =  33.704599092705436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.478409189644232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.10630187668604

n =  285
somme des inverses des racines des entiers jusqu a n =  32.33314030728198
2*sqrt(n) =  33.76388603226827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.534181187099616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.16734628730259

n =  286
somme des inverses des racines des entiers jusqu a n =  32.392271546880885
2*sqrt(n) =  33.823069050575526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.589861574855675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.22828062088546

n =  287
somme des inverses des racines des entiers jusqu a n =  32.45129968049098
2*sqrt(n) =  33.88214869219483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.645450811535213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.28910546497465

n =  288
somme des inverses des racines des entiers jusqu a n =  32.510225245589865
2*sqrt(n) =  33.94112549695428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.700949351918332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.349821401922256

n =  289
somme des inverses des racines des entiers jusqu a n =  32.56904877500163
2*sqrt(n) =  34.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.75635764698757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.41042900895622
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n =  290
somme des inverses des racines des entiers jusqu a n =  32.6277707969531
2*sqrt(n) =  34.058772731852805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.81167614397229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.47092885824307

n =  291
somme des inverses des racines des entiers jusqu a n =  32.68639183512916
2*sqrt(n) =  34.11744421846396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.866905286392466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.53132151694971

n =  292
somme des inverses des racines des entiers jusqu a n =  32.744912408727224
2*sqrt(n) =  34.17601498127012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.922045514101843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.591607547304264

n =  293
somme des inverses des racines des entiers jusqu a n =  32.80333303251092
2*sqrt(n) =  34.23448553724738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  25.977097263330315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.651787506655914

n =  294
somme des inverses des racines des entiers jusqu a n =  32.8616542168629
2*sqrt(n) =  34.292856398964496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.032060966725815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.71186194753384

n =  295
somme des inverses des racines des entiers jusqu a n =  32.91987646783686
2*sqrt(n) =  34.351128074635334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.086937053395513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.77183141770524

n =  296
somme des inverses des racines des entiers jusqu a n =  32.978000287208765
2*sqrt(n) =  34.40930106817051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.141725948946448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.83169646023254

n =  297
somme des inverses des racines des entiers jusqu a n =  33.03602617252733
2*sqrt(n) =  34.46737587922817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.19642807552547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.891457613529525

n =  298
somme des inverses des racines des entiers jusqu a n =  33.093954617163675
2*sqrt(n) =  34.52535300326414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.251043851858732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  37.95111541141684

n =  299
somme des inverses des racines des entiers jusqu a n =  33.1517861103603
2*sqrt(n) =  34.583232931581165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.30557369329048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.01067038317651

n =  300
somme des inverses des racines des entiers jusqu a n =  33.20952113727926
2*sqrt(n) =  34.64101615137755
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.36001801182135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.07012305360565

n =  301
somme des inverses des racines des entiers jusqu a n =  33.26716017904968
2*sqrt(n) =  34.698703145794944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.414377216146068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.129473943069385

n =  302
somme des inverses des racines des entiers jusqu a n =  33.324703712814525
2*sqrt(n) =  34.75629439396553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.468651711690665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.18872356755297

n =  303
somme des inverses des racines des entiers jusqu a n =  33.38215221177667
2*sqrt(n) =  34.813790371058424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.522841900649055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.24787243871311

n =  304
somme des inverses des racines des entiers jusqu a n =  33.43950614524431
2*sqrt(n) =  34.87119154832539
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.57694818201917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.306921063928506

n =  305
somme des inverses des racines des entiers jusqu a n =  33.4967659786757
2*sqrt(n) =  34.92849839314596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.63097095163855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.36586994634967

n =  306
somme des inverses des racines des entiers jusqu a n =  33.5539321737232
2*sqrt(n) =  34.9857113690718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.68491060221942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.424719584947994

n =  307
somme des inverses des racines des entiers jusqu a n =  33.611005188276735
2*sqrt(n) =  35.04283093587046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.738767523383267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.483470474564065

n =  308
somme des inverses des racines des entiers jusqu a n =  33.66798547650655
2*sqrt(n) =  35.09985754956849
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.792542101694917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.54212310595528

n =  309
somme des inverses des racines des entiers jusqu a n =  33.72487348890541
2*sqrt(n) =  35.156791662493895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.84623472069615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.60067796584277

n =  310
somme des inverses des racines des entiers jusqu a n =  33.78166967233012
2*sqrt(n) =  35.21363372331802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.899845760938828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.65913553695761

n =  311
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somme des inverses des racines des entiers jusqu a n =  33.838374470042496
2*sqrt(n) =  35.270384177096794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  26.953375600017562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.71749629808642

n =  312
somme des inverses des racines des entiers jusqu a n =  33.89498832174973
2*sqrt(n) =  35.32704346531139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.00682461260191
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.77576072411613

n =  313
somme des inverses des racines des entiers jusqu a n =  33.95151166364415
2*sqrt(n) =  35.38361202590826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.06019317046811
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.833929286078344

n =  314
somme des inverses des racines des entiers jusqu a n =  34.007944928442456
2*sqrt(n) =  35.4400902933387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.11348164253045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.89200245119283

n =  315
somme des inverses des racines des entiers jusqu a n =  34.064288545424354
2*sqrt(n) =  35.4964786985977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.166690394872067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  38.949980682910514

n =  316
somme des inverses des racines des entiers jusqu a n =  34.120542940470656
2*sqrt(n) =  35.552777669262355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.219819790775443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.007864440955814

n =  317
somme des inverses des racines des entiers jusqu a n =  34.17670853610083
2*sqrt(n) =  35.608987629529715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.272870190752435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.06565418136836

n =  318
somme des inverses des racines des entiers jusqu a n =  34.232785751510036
2*sqrt(n) =  35.66510900025401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.325841952573835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.1233503565441

n =  319
somme des inverses des racines des entiers jusqu a n =  34.28877500260562
2*sqrt(n) =  35.7211421989835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.378735431298658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.18095341527592

n =  320
somme des inverses des racines des entiers jusqu a n =  34.34467670204311
2*sqrt(n) =  35.77708763999664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.431550979302866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.238463802793525

n =  321
somme des inverses des racines des entiers jusqu a n =  34.400491259261706
2*sqrt(n) =  35.832945734337834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.484288946307817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.295881960802845
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n =  322
somme des inverses des racines des entiers jusqu a n =  34.45621908051924
2*sqrt(n) =  35.888716889852724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.536949679408316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.35320832752493

n =  323
somme des inverses des racines des entiers jusqu a n =  34.51186056892671
2*sqrt(n) =  35.94440151122286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.5895335231002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.410443337734186

n =  324
somme des inverses des racines des entiers jusqu a n =  34.567416124482264
2*sqrt(n) =  36.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.64204081930767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.467587422796164

n =  325
somme des inverses des racines des entiers jusqu a n =  34.62288614410479
2*sqrt(n) =  36.05551275463989
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.694471907410158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.52464101070476

n =  326
somme des inverses des racines des entiers jusqu a n =  34.67827102166696
2*sqrt(n) =  36.11094017053558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.746827124268872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.58160452611894

n =  327
somme des inverses des racines des entiers jusqu a n =  34.73357114802789
2*sqrt(n) =  36.16628264005025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.799106804252997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.63847839039888

n =  328
somme des inverses des racines des entiers jusqu a n =  34.788786911065316
2*sqrt(n) =  36.22154055254967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.851311279265527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.69526302164174

n =  329
somme des inverses des racines des entiers jusqu a n =  34.843918695707316
2*sqrt(n) =  36.27671429443411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.903440878768738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.751958834716795

n =  330
somme des inverses des racines des entiers jusqu a n =  34.89896688396363
2*sqrt(n) =  36.3318042491699
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  27.955495929809373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.80856624130016

n =  331
somme des inverses des racines des entiers jusqu a n =  34.953931854956565
2*sqrt(n) =  36.38681079732051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.007476757043445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.86508564990904

n =  332
somme des inverses des racines des entiers jusqu a n =  35.00881398495141
2*sqrt(n) =  36.4417343165772
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.05938368276071
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.921517465935445

n =  333
somme des inverses des racines des entiers jusqu a n =  35.063613647386525
2*sqrt(n) =  36.49657518178932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.111217026908875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  39.97786209167954

n =  334
somme des inverses des racines des entiers jusqu a n =  35.11833121290298
2*sqrt(n) =  36.55133376499413
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.162977107117435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.03411992638249

n =  335
somme des inverses des racines des entiers jusqu a n =  35.172967049373796
2*sqrt(n) =  36.60601043544625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.214664238721188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.09029136625879

n =  336
somme des inverses des racines des entiers jusqu a n =  35.22752152193279
2*sqrt(n) =  36.66060555964672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.266278734783516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.14637680452832

n =  337
somme des inverses des racines des entiers jusqu a n =  35.281994993003075
2*sqrt(n) =  36.71511950137164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.317820906119277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.20237663144782

n =  338
somme des inverses des racines des entiers jusqu a n =  35.336387822325115
2*sqrt(n) =  36.76955262170047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.36929106131745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.25829123434198

n =  339
somme des inverses des racines des entiers jusqu a n =  35.39070036698447
2*sqrt(n) =  36.823905279043935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.420689506763484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.31412099763416

n =  340
somme des inverses des racines des entiers jusqu a n =  35.44493298143913
2*sqrt(n) =  36.87817782917155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.47201654666134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.36986630287665

n =  341
somme des inverses des racines des entiers jusqu a n =  35.49908601754652
2*sqrt(n) =  36.932370625238775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.52327248305526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.425527528780535

n =  342
somme des inverses des racines des entiers jusqu a n =  35.553159824590104
2*sqrt(n) =  36.98648401781386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.574457615851255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.481105051245166

n =  343
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```
somme des inverses des racines des entiers jusqu a n =  35.60715474930571
2*sqrt(n) =  37.04051835490427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.625572242838334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.53659924338724

n =  344
somme des inverses des racines des entiers jusqu a n =  35.66107113590743
2*sqrt(n) =  37.094473981982816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.67661665970942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.592010475569516

n =  345
somme des inverses des racines des entiers jusqu a n =  35.71490932611324
2*sqrt(n) =  37.14835124201342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.72759116008206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.6473391154291

n =  346
somme des inverses des racines des entiers jusqu a n =  35.76866965917029
2*sqrt(n) =  37.20215047547655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.778496035518828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.70258552790541

n =  347
somme des inverses des racines des entiers jusqu a n =  35.822352471879796
2*sqrt(n) =  37.255872020394314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.829331575547457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.757750075267744

n =  348
somme des inverses des racines des entiers jusqu a n =  35.87595809862169
2*sqrt(n) =  37.30951621235526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.880098067680787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.8128331171425

n =  349
somme des inverses des racines des entiers jusqu a n =  35.929486871378906
2*sqrt(n) =  37.36308338453881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.930795797436385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.86783501054003

n =  350
somme des inverses des racines des entiers jusqu a n =  35.98293911976139
2*sqrt(n) =  37.416573867739416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  28.98142504835596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.92275610988115

n =  351
somme des inverses des racines des entiers jusqu a n =  36.036315171029756
2*sqrt(n) =  37.469987990390386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.031986102024522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  40.97759676702332

n =  352
somme des inverses des racines des entiers jusqu a n =  36.089615350118656
2*sqrt(n) =  37.52332607858744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.08247923808934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.03235733128649

n =  353
somme des inverses des racines des entiers jusqu a n =  36.14283997965989
2*sqrt(n) =  37.57658845611187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.132904734278576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.08703814947852
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n =  354
somme des inverses des racines des entiers jusqu a n =  36.195989380005166
2*sqrt(n) =  37.62977544445356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.183262866419785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.14163956592045

n =  355
somme des inverses des racines des entiers jusqu a n =  36.249063869248594
2*sqrt(n) =  37.68288736283355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.23355390845813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.196161922471255

n =  356
somme des inverses des racines des entiers jusqu a n =  36.30206376324891
2*sqrt(n) =  37.73592452822641
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.283778132474385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.25060555855243

n =  357
somme des inverses des racines des entiers jusqu a n =  36.35498937565141
2*sqrt(n) =  37.78888725538237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.333935808702734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.30497081117219

n =  358
somme des inverses des racines des entiers jusqu a n =  36.407841017909575
2*sqrt(n) =  37.841775856849004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.384027205548303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.359258014949354

n =  359
somme des inverses des racines des entiers jusqu a n =  36.460618999306504
2*sqrt(n) =  37.89459064299283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.43405258960455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.413467502136974

n =  360
somme des inverses des racines des entiers jusqu a n =  36.513323626975975
2*sqrt(n) =  37.94733192202055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.484012225670394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.467599602645635

n =  361
somme des inverses des racines des entiers jusqu a n =  36.565955205923345
2*sqrt(n) =  38.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.533906376767117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.521654644066444

n =  362
somme des inverses des racines des entiers jusqu a n =  36.61851403904611
2*sqrt(n) =  38.05259518088089
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.583735304155123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.575632951693784

n =  363
somme des inverses des racines des entiers jusqu a n =  36.67100042715426
2*sqrt(n) =  38.1051177665153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.633499267350448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.62953484854773

n =  364
somme des inverses des racines des entiers jusqu a n =  36.72341466899036
2*sqrt(n) =  38.157568056677825
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.683198524141087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.6833606553962

n =  365
somme des inverses des racines des entiers jusqu a n =  36.77575706124938
2*sqrt(n) =  38.2099463490856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.73283333060311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.737110690776845

n =  366
somme des inverses des racines des entiers jusqu a n =  36.828027898598314
2*sqrt(n) =  38.262252939417984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.782403941116616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.79078527101867

n =  367
somme des inverses des racines des entiers jusqu a n =  36.880227473695506
2*sqrt(n) =  38.31448812133603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.831910608381467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.84438471026332

n =  368
somme des inverses des racines des entiers jusqu a n =  36.932356077209775
2*sqrt(n) =  38.36665218650175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.881353583432823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.89790932048622

n =  369
somme des inverses des racines des entiers jusqu a n =  36.98441399783931
2*sqrt(n) =  38.41874542459709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.93073311565656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  41.95135941151736

n =  370
somme des inverses des racines des entiers jusqu a n =  37.036401522330316
2*sqrt(n) =  38.47076812334269
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  29.98004945280442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.00473529106183

n =  371
somme des inverses des racines des entiers jusqu a n =  37.08831893549543
2*sqrt(n) =  38.52272056851645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.029302841009013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.05803726472017

n =  372
somme des inverses des racines des entiers jusqu a n =  37.14016652023195
2*sqrt(n) =  38.57460304397182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.078493524798674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.1112656360084

n =  373
somme des inverses des racines des entiers jusqu a n =  37.1919445575398
2*sqrt(n) =  38.62641583165593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.127621747112116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.16442070637785

n =  374
somme des inverses des racines des entiers jusqu a n =  37.2436533265393
2*sqrt(n) =  38.67815921162743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.176687749312897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.2175027752347

n =  375
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somme des inverses des racines des entiers jusqu a n =  37.295293104488735
2*sqrt(n) =  38.72983346207417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.225691771203756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.27051213995938

n =  376
somme des inverses des racines des entiers jusqu a n =  37.34686416680167
2*sqrt(n) =  38.781438859330635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.274634051040735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.32344909592558

n =  377
somme des inverses des racines des entiers jusqu a n =  37.398366787064134
2*sqrt(n) =  38.8329756778952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.323514825547186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.3763139365192

n =  378
somme des inverses des racines des entiers jusqu a n =  37.449801237051496
2*sqrt(n) =  38.88444419044716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.372334329927575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.42910695315696

n =  379
somme des inverses des racines des entiers jusqu a n =  37.50116778674525
2*sqrt(n) =  38.93584466786357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.421092797881144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.481828435304784

n =  380
somme des inverses des racines des entiers jusqu a n =  37.552466704349506
2*sqrt(n) =  38.98717737923585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.469790461615418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.53447867049607

n =  381
somme des inverses des racines des entiers jusqu a n =  37.60369825630736
2*sqrt(n) =  39.03844259188627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.518427551859567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.587057944349624

n =  382
somme des inverses des racines des entiers jusqu a n =  37.65486270731702
2*sqrt(n) =  39.08964057138413
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.567004297877553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.63956654058742

n =  383
somme des inverses des racines des entiers jusqu a n =  37.705960320347785
2*sqrt(n) =  39.14077158156185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.6155209274812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.69200474105217

n =  384
somme des inverses des racines des entiers jusqu a n =  37.75699135665577
2*sqrt(n) =  39.191835884530846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.66397766704312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.74437282572471

n =  385
somme des inverses des racines des entiers jusqu a n =  37.80795607579953
2*sqrt(n) =  39.242833740697165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.71237474150938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.796671072741056
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```
n =  386
somme des inverses des racines des entiers jusqu a n =  37.85885473565546
2*sqrt(n) =  39.293765408777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.760712374412165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.84889975840942

n =  387
somme des inverses des racines des entiers jusqu a n =  37.909687592432995
2*sqrt(n) =  39.344631145812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.808990787882216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.901059157226896

n =  388
somme des inverses des racines des entiers jusqu a n =  37.960454900689676
2*sqrt(n) =  39.395431207184416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.857210202661143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  42.95314954189605

n =  389
somme des inverses des racines des entiers jusqu a n =  38.011156913346014
2*sqrt(n) =  39.44616584663204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.90537083811359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.00517118334127

n =  390
somme des inverses des racines des entiers jusqu a n =  38.0617938817002
2*sqrt(n) =  39.496835316262995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  30.9534729122393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.05712435072484

n =  391
somme des inverses des racines des entiers jusqu a n =  38.112366055442614
2*sqrt(n) =  39.54743986657038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.001516641685008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.10900931146306

n =  392
somme des inverses des racines des entiers jusqu a n =  38.162873682670224
2*sqrt(n) =  39.59797974644666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.049502241756194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.16082633124189

n =  393
somme des inverses des racines des entiers jusqu a n =  38.213317009900756
2*sqrt(n) =  39.64845520319802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.097429926428752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.21257567403265

n =  394
somme des inverses des racines des entiers jusqu a n =  38.26369628208674
2*sqrt(n) =  39.698866482558415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.145299908360478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.264257602107385

n =  395
somme des inverses des racines des entiers jusqu a n =  38.314011742629404
2*sqrt(n) =  39.74921382870358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.193112398902457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.315872376054145

n =  396
somme des inverses des racines des entiers jusqu a n =  38.36426363339236
2*sqrt(n) =  39.7994974842648
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.240867608110314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.36742025479204

n =  397
somme des inverses des racines des entiers jusqu a n =  38.41445219471521
2*sqrt(n) =  39.84971769034255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.28856574475536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.41890149558615

n =  398
somme des inverses des racines des entiers jusqu a n =  38.464577665426916
2*sqrt(n) =  39.89987468652001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.33620701633557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.47031635406223

n =  399
somme des inverses des racines des entiers jusqu a n =  38.51464028285909
2*sqrt(n) =  39.949968710876355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.38379162908649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.52166508422129

n =  400
somme des inverses des racines des entiers jusqu a n =  38.56464028285909
2*sqrt(n) =  40.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.431319787992017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.57294793845399

n =  401
somme des inverses des racines des entiers jusqu a n =  38.61457789980298
2*sqrt(n) =  40.049968789001575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.478791696795007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.624165167554864

n =  402
somme des inverses des racines des entiers jusqu a n =  38.66445336660836
2*sqrt(n) =  40.099875311526844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.52620755800782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.67531702073636

n =  403
somme des inverses des racines des entiers jusqu a n =  38.714266914747036
2*sqrt(n) =  40.149719799769464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.573567572922776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.726403745642806

n =  404
somme des inverses des racines des entiers jusqu a n =  38.764018774257536
2*sqrt(n) =  40.19950248448356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.620871941622404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.77742558836414

n =  405
somme des inverses des racines des entiers jusqu a n =  38.81370917375753
2*sqrt(n) =  40.24922359499622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.668120862989674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.828382793449485

n =  406
somme des inverses des racines des entiers jusqu a n =  38.863338340456075
2*sqrt(n) =  40.29888335921977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.71531453471804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.87927560392064

n =  407
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```
somme des inverses des racines des entiers jusqu a n =  38.91290650016573
2*sqrt(n) =  40.34848200366403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.762453153321438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.93010426128533

n =  408
somme des inverses des racines des entiers jusqu a n =  38.96241387731457
2*sqrt(n) =  40.39801975344831
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.809536914144147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  43.980869005550396

n =  409
somme des inverses des racines des entiers jusqu a n =  39.01186069495798
2*sqrt(n) =  40.44749683231337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.856566011370568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.031570075234775

n =  410
somme des inverses des racines des entiers jusqu a n =  39.06124717479046
2*sqrt(n) =  40.496913462633174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.90354063803482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.08220770738235

n =  411
somme des inverses des racines des entiers jusqu a n =  39.11057353715716
2*sqrt(n) =  40.54626986542659
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.95046098603035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.13278213757471

n =  412
somme des inverses des racines des entiers jusqu a n =  39.159840001065376
2*sqrt(n) =  40.59556626036888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  31.997327246119347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.183293599943646

n =  413
somme des inverses des racines des entiers jusqu a n =  39.20904678419589
2*sqrt(n) =  40.64480286580315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.044139607942114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.23374232718367

n =  414
somme des inverses des racines des entiers jusqu a n =  39.25819410291419
2*sqrt(n) =  40.69397989875161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.09089826002629
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.28412855056427

n =  415
somme des inverses des racines des entiers jusqu a n =  39.30728217228157
2*sqrt(n) =  40.74309757492672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.13760338979602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.334452499942074

n =  416
somme des inverses des racines des entiers jusqu a n =  39.35631120606612
2*sqrt(n) =  40.792156108742276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.18425518358101
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.38471440377291

n =  417
somme des inverses des racines des entiers jusqu a n =  39.40528141675355
2*sqrt(n) =  40.84115571332428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.23085382662547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.43491448912368
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```
n =  418
somme des inverses des racines des entiers jusqu a n =  39.454193015558005
2*sqrt(n) =  40.890096600521744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.27739950309699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.48505298168413

n =  419
somme des inverses des racines des entiers jusqu a n =  39.50304621243261
2*sqrt(n) =  40.93897898091744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.3238923960953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.535130105778514

n =  420
somme des inverses des racines des entiers jusqu a n =  39.551841216080035
2*sqrt(n) =  40.98780306383839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.37033268766098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.5851460843771

n =  421
somme des inverses des racines des entiers jusqu a n =  39.60057823396289
2*sqrt(n) =  41.036569057366385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.416720558784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.635101139107576

n =  422
somme des inverses des racines des entiers jusqu a n =  39.64925747231401
2*sqrt(n) =  41.08527716834828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.463056189412264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.68499549026629

n =  423
somme des inverses des racines des entiers jusqu a n =  39.697879136146646
2*sqrt(n) =  41.13392760240627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.50933975845999
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.73482935682941

n =  424
somme des inverses des racines des entiers jusqu a n =  39.74644342926451
2*sqrt(n) =  41.182520563948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.55557144381604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.784602956463985

n =  425
somme des inverses des racines des entiers jusqu a n =  39.79495055427178
2*sqrt(n) =  41.23105625617661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.60175142235219
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.834316505538816

n =  426
somme des inverses des racines des entiers jusqu a n =  39.84340071258293
2*sqrt(n) =  41.27953488110059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.64787986993122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.88397021913528

n =  427
somme des inverses des racines des entiers jusqu a n =  39.891794104432506
2*sqrt(n) =  41.32795663954365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.693956961415026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.933564311057964

n =  428
somme des inverses des racines des entiers jusqu a n =  39.94013092888479
2*sqrt(n) =  41.376321731154405
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.739982870672605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  44.9830989938453

n =  429
somme des inverses des racines des entiers jusqu a n =  39.98841138384332
2*sqrt(n) =  41.42463035441596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.78595777058794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.03257447877997

n =  430
somme des inverses des racines des entiers jusqu a n =  40.03663566606036
2*sqrt(n) =  41.47288270665544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.83188183306783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.081990975899245

n =  431
somme des inverses des racines des entiers jusqu a n =  40.08480397114627
2*sqrt(n) =  41.52107898405339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.87775522904964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.13134869400527

n =  432
somme des inverses des racines des entiers jusqu a n =  40.13291649357874
2*sqrt(n) =  41.569219381653056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.92357812850894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.180647840675114

n =  433
somme des inverses des racines des entiers jusqu a n =  40.180973426711965
2*sqrt(n) =  41.617304093369626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  32.96935070046713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.22988862227087

n =  434
somme des inverses des racines des entiers jusqu a n =  40.2289749627857
2*sqrt(n) =  41.66533331199932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.01507311299891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.279071243949524

n =  435
somme des inverses des racines des entiers jusqu a n =  40.27692129293424
2*sqrt(n) =  41.71330722922842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.06074553323973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.328195909672765

n =  436
somme des inverses des racines des entiers jusqu a n =  40.3248126071953
2*sqrt(n) =  41.7612260356422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.10636812739317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.37726282221672

n =  437
somme des inverses des racines des entiers jusqu a n =  40.37264909451879
2*sqrt(n) =  41.80908992073375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.15194106073815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.426272183181545

n =  438
somme des inverses des racines des entiers jusqu a n =  40.42043094277554
2*sqrt(n) =  41.8568990729127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.19746449763625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.47522419300092

n =  439
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somme des inverses des racines des entiers jusqu a n =  40.468158338765875
2*sqrt(n) =  41.90465367951393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.242938601538754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.52411905095152

n =  440
somme des inverses des racines des entiers jusqu a n =  40.51583146822816
2*sqrt(n) =  41.95235392680606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.288363534993756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.57295695516222

n =  441
somme des inverses des racines des entiers jusqu a n =  40.56345051584721
2*sqrt(n) =  42.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.33373945965315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.621738102623425

n =  442
somme des inverses des racines des entiers jusqu a n =  40.611015665262656
2*sqrt(n) =  42.04759208325728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.37906653627958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.67046268919613

n =  443
somme des inverses des racines des entiers jusqu a n =  40.65852709907721
2*sqrt(n) =  42.09513035969837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.424344924753235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.719130909620944

n =  444
somme des inverses des racines des entiers jusqu a n =  40.705984998864835
2*sqrt(n) =  42.14261501141095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.46957478407872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.76774295752707

n =  445
somme des inverses des racines des entiers jusqu a n =  40.753389545178834
2*sqrt(n) =  42.190046219457976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.514756272391736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.8162990254411

n =  446
somme des inverses des racines des entiers jusqu a n =  40.80074091755987
2*sqrt(n) =  42.23742416388575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.559889546965685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.86479930479578

n =  447
somme des inverses des racines des entiers jusqu a n =  40.84803929454391
2*sqrt(n) =  42.28474902373195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.604974764218376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.913243985938735

n =  448
somme des inverses des racines des entiers jusqu a n =  40.89528485367006
2*sqrt(n) =  42.33202097703345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.650012079718465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  45.96163325814095

n =  449
somme des inverses des racines des entiers jusqu a n =  40.94247777148836
2*sqrt(n) =  42.37924020083418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.695001648191926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.009967309605315
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n =  450
somme des inverses des racines des entiers jusqu a n =  40.98961822356747
2*sqrt(n) =  42.42640687119285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.73994362352848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.05824632747504

n =  451
somme des inverses des racines des entiers jusqu a n =  41.03670638450227
2*sqrt(n) =  42.473521163190604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.78483815878792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.10647049784195

n =  452
somme des inverses des racines des entiers jusqu a n =  41.08374242792145
2*sqrt(n) =  42.5205832509386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.829685406206366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.15464000575472

n =  453
somme des inverses des racines des entiers jusqu a n =  41.130726526494946
2*sqrt(n) =  42.567593307585526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.87448551720249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.20275503522704

n =  454
somme des inverses des racines des entiers jusqu a n =  41.17765885194134
2*sqrt(n) =  42.61455150532503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.91923864238368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.25081576924571

n =  455
somme des inverses des racines des entiers jusqu a n =  41.22453957503519
2*sqrt(n) =  42.661458015403085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  33.963944931552135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.298822389778564

n =  456
somme des inverses des racines des entiers jusqu a n =  41.27136886561427
2*sqrt(n) =  42.708313008125245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.00860453371086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.34677507778244

n =  457
somme des inverses des racines des entiers jusqu a n =  41.31814689258677
2*sqrt(n) =  42.7551166528639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.05321759706969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.394674013211

n =  458
somme des inverses des racines des entiers jusqu a n =  41.36487382393837
2*sqrt(n) =  42.80186911806539
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.0977842690512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.442519375022485

n =  459
somme des inverses des racines des entiers jusqu a n =  41.411549826739304
2*sqrt(n) =  42.8485705712571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.14230469629655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.49031134118737

n =  460
somme des inverses des racines des entiers jusqu a n =  41.458175067151316
2*sqrt(n) =  42.89522117905443
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.18677902467129
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.538050088696004

n =  461
somme des inverses des racines des entiers jusqu a n =  41.50474971043458
2*sqrt(n) =  42.941821107167776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.23120739927113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.5857357935661

n =  462
somme des inverses des racines des entiers jusqu a n =  41.55127392095451
2*sqrt(n) =  42.988370520409354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.27558996442762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.63336863085023

n =  463
somme des inverses des racines des entiers jusqu a n =  41.59774786218853
2*sqrt(n) =  43.034869582700026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.31992686371379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.68094877464315

n =  464
somme des inverses des racines des entiers jusqu a n =  41.64417169673279
2*sqrt(n) =  43.08131845707603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.36421823994977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.72847639808916

n =  465
somme des inverses des racines des entiers jusqu a n =  41.69054558630881
2*sqrt(n) =  43.12771730569565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.40846423520829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.77595167338933

n =  466
somme des inverses des racines des entiers jusqu a n =  41.73686969177002
2*sqrt(n) =  43.174066289845804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.45266499082015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.82337477180863

n =  467
somme des inverses des racines des entiers jusqu a n =  41.78314417310829
2*sqrt(n) =  43.22036556994862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.49682064737972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.87074586368307

n =  468
somme des inverses des racines des entiers jusqu a n =  41.829369189460394
2*sqrt(n) =  43.266615305567875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.54093134475023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.9180651184267

n =  469
somme des inverses des racines des entiers jusqu a n =  41.87554489911435
2*sqrt(n) =  43.31281565541543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.58499722206915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  46.96533270453857

n =  470
somme des inverses des racines des entiers jusqu a n =  41.9216714595158
2*sqrt(n) =  43.3589667773576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.62901841775349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.01254878960965

n =  471
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```
somme des inverses des racines des entiers jusqu a n =  41.96774902727421
2*sqrt(n) =  43.40506882842141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.67299506950499
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.059713540329625

n =  472
somme des inverses des racines des entiers jusqu a n =  42.01377775816913
2*sqrt(n) =  43.45112196480086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.716927314315306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.10682712249364

n =  473
somme des inverses des racines des entiers jusqu a n =  42.059757807156295
2*sqrt(n) =  43.497126341863094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.76081528847116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.153889701009064

n =  474
somme des inverses des racines des entiers jusqu a n =  42.10568932837376
2*sqrt(n) =  43.54308211415448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.8046591275594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.20090143990202

n =  475
somme des inverses des racines des entiers jusqu a n =  42.151572475147866
2*sqrt(n) =  43.58898943540674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.848458966472094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.24786250232406

n =  476
somme des inverses des racines des entiers jusqu a n =  42.19740739999928
2*sqrt(n) =  43.634848458542855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.89221493941143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.29477305055857

n =  477
somme des inverses des racines des entiers jusqu a n =  42.24319425464884
2*sqrt(n) =  43.68065933568311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.93592717989477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.341633246027286

n =  478
somme des inverses des racines des entiers jusqu a n =  42.28893319002348
2*sqrt(n) =  43.726422218150894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  34.979595820759435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.38844324929662

n =  479
somme des inverses des racines des entiers jusqu a n =  42.334624356261976
2*sqrt(n) =  43.77213725647858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.023220994167666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.43520322008404

n =  480
somme des inverses des racines des entiers jusqu a n =  42.38026790272074
2*sqrt(n) =  43.81780460041329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.06680283161135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.48191331726426

n =  481
somme des inverses des racines des entiers jusqu a n =  42.425863977979496
2*sqrt(n) =  43.86342439892262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.11034146391685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.5285736988755
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n =  482
somme des inverses des racines des entiers jusqu a n =  42.471412729846925
2*sqrt(n) =  43.9089968002003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.15383702124969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.5751845221256

n =  483
somme des inverses des racines des entiers jusqu a n =  42.51691430536626
2*sqrt(n) =  43.95452195167182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.19728963311925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.62174594339811

n =  484
somme des inverses des racines des entiers jusqu a n =  42.5623688508208
2*sqrt(n) =  44.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.240699428383365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.668258118258315

n =  485
somme des inverses des racines des entiers jusqu a n =  42.60777651173945
2*sqrt(n) =  44.04543109109048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.28406653525299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.71472120145922

n =  486
somme des inverses des racines des entiers jusqu a n =  42.653137432902106
2*sqrt(n) =  44.090815370097204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.32739108129671
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.761135346947455

n =  487
somme des inverses des racines des entiers jusqu a n =  42.69845175834505
2*sqrt(n) =  44.13615298142782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.37067319344523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.80750070786912

n =  488
somme des inverses des racines des entiers jusqu a n =  42.74371963136631
2*sqrt(n) =  44.181444068749045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.413912997995894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.85381743657562

n =  489
somme des inverses des racines des entiers jusqu a n =  42.78894119453093
2*sqrt(n) =  44.22668877499196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.45711062061709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.9000856846294

n =  490
somme des inverses des racines des entiers jusqu a n =  42.83411658967619
2*sqrt(n) =  44.27188724235731
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.50026618635263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.946305602809645

n =  491
somme des inverses des racines des entiers jusqu a n =  42.879245957916844
2*sqrt(n) =  44.31703961232068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.54337981962615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  47.99247734111794

n =  492
somme des inverses des racines des entiers jusqu a n =  42.924329439650215
2*sqrt(n) =  44.36214602563767
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.58645164424536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.038601048783825

n =  493
somme des inverses des racines des entiers jusqu a n =  42.96936717456132
2*sqrt(n) =  44.40720662234904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.62948178340634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.084676874270386

n =  494
somme des inverses des racines des entiers jusqu a n =  43.014359301627906
2*sqrt(n) =  44.45222154178574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.67247035969781
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.130704965279705

n =  495
somme des inverses des racines des entiers jusqu a n =  43.05930595912545
2*sqrt(n) =  44.49719092257398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.715417495105285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.17668546875833

n =  496
somme des inverses des racines des entiers jusqu a n =  43.104207284632146
2*sqrt(n) =  44.54211490264017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.75832331101524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.222618530902636

n =  497
somme des inverses des racines des entiers jusqu a n =  43.14906341503377
2*sqrt(n) =  44.58699361921591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.80118792821928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.26850429716423

n =  498
somme des inverses des racines des entiers jusqu a n =  43.19387448652859
2*sqrt(n) =  44.63182720884279
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.84401146691814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.31434291225512

n =  499
somme des inverses des racines des entiers jusqu a n =  43.238640634632176
2*sqrt(n) =  44.67661580737735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.88679404672583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.36013452015312

n =  500
somme des inverses des racines des entiers jusqu a n =  43.28336199418217
2*sqrt(n) =  44.721359549995796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.929535786673604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.40587926410689

n =  501
somme des inverses des racines des entiers jusqu a n =  43.32803869934305
2*sqrt(n) =  44.76605857119878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  35.97223680521392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.45157728664122

n =  502
somme des inverses des racines des entiers jusqu a n =  43.372670883610795
2*sqrt(n) =  44.81071300481616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.01489722022443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.497228729562025

n =  503
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somme des inverses des racines des entiers jusqu a n =  43.417258679817564
2*sqrt(n) =  44.85532298401161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.057517149011865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.54283373396148

n =  504
somme des inverses des racines des entiers jusqu a n =  43.4618022201363
2*sqrt(n) =  44.8998886412873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.100096708315924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.58839244022298

n =  505
somme des inverses des racines des entiers jusqu a n =  43.5063016360853
2*sqrt(n) =  44.94441010848846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.1426360143131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.633904988026146

n =  506
somme des inverses des racines des entiers jusqu a n =  43.55075705853274
2*sqrt(n) =  44.98888751680797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.185135182620506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.67937151635171

n =  507
somme des inverses des racines des entiers jusqu a n =  43.59516861770117
2*sqrt(n) =  45.033320996790806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.227594328299624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.7247921634864

n =  508
somme des inverses des racines des entiers jusqu a n =  43.63953644317198
2*sqrt(n) =  45.077710678338576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.27001356586009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.77016706702782

n =  509
somme des inverses des racines des entiers jusqu a n =  43.68386066388977
2*sqrt(n) =  45.12205669071391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.31239300926339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.815496363889174

n =  510
somme des inverses des racines des entiers jusqu a n =  43.72814140816677
2*sqrt(n) =  45.16635916254486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.354732771926486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.86078019030405

n =  511
somme des inverses des racines des entiers jusqu a n =  43.772378803687154
2*sqrt(n) =  45.21061822182926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.397032966725554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.906018681831114

n =  512
somme des inverses des racines des entiers jusqu a n =  43.81657297751131
2*sqrt(n) =  45.254833995939045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.43929370599953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.9512119733588

n =  513
somme des inverses des racines des entiers jusqu a n =  43.86072405608015
2*sqrt(n) =  45.2990066116245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.481515101553725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  48.99636019910989
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n =  514
somme des inverses des racines des entiers jusqu a n =  43.904832165219275
2*sqrt(n) =  45.34313619501854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.52369726466337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.04146349264612

n =  515
somme des inverses des racines des entiers jusqu a n =  43.9488974301432
2*sqrt(n) =  45.387222871640866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.56584030607713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.08652198687274

n =  516
somme des inverses des racines des entiers jusqu a n =  43.99291997545948
2*sqrt(n) =  45.43126676640219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.60794433602062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.13153581404297

n =  517
somme des inverses des racines des entiers jusqu a n =  44.03689992517283
2*sqrt(n) =  45.47526800360829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.65000946419986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.17650510576251

n =  518
somme des inverses des racines des entiers jusqu a n =  44.080837402689205
2*sqrt(n) =  45.51922670696417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.692035799804685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.22142999299391

n =  519
somme des inverses des racines des entiers jusqu a n =  44.12473253081982
2*sqrt(n) =  45.56314299957807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.73402345151218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.26631060606102

n =  520
somme des inverses des racines des entiers jusqu a n =  44.168585431785175
2*sqrt(n) =  45.60701700396552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.77597252749004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.311147074653256

n =  521
somme des inverses des racines des entiers jusqu a n =  44.21239622721901
2*sqrt(n) =  45.65084884205331
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.81788313539994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.355939527829996

n =  522
somme des inverses des racines des entiers jusqu a n =  44.25616503817225
2*sqrt(n) =  45.69463863518345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.85975538240081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.40068809402477

n =  523
somme des inverses des racines des entiers jusqu a n =  44.29989198511691
2*sqrt(n) =  45.73838650411709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.90158937515216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.44539290104955

n =  524
somme des inverses des racines des entiers jusqu a n =  44.34357718794996
2*sqrt(n) =  45.78209256903839
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.943385219817344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.490054076098914

n =  525
somme des inverses des racines des entiers jusqu a n =  44.38722076599716
2*sqrt(n) =  45.8257569495584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  36.98514302206677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.53467174575421

n =  526
somme des inverses des racines des entiers jusqu a n =  44.43082283801685
2*sqrt(n) =  45.86937976471886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.026862887081144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.579246035987715

n =  527
somme des inverses des racines des entiers jusqu a n =  44.47438352220375
2*sqrt(n) =  45.91296113299599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.068544919554625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.623777072166675

n =  528
somme des inverses des racines des entiers jusqu a n =  44.51790293619268
2*sqrt(n) =  45.95650117230423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.110189223697965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.66826497905736

n =  529
somme des inverses des racines des entiers jusqu a n =  44.56138119706224
2*sqrt(n) =  46.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.1517959032417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.71270988082915

n =  530
somme des inverses des racines des entiers jusqu a n =  44.60481842133855
2*sqrt(n) =  46.04345773288535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.19336506143918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.75711190105844

n =  531
somme des inverses des racines des entiers jusqu a n =  44.64821472499882
2*sqrt(n) =  46.08687448721165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.23489680106971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.801471162732625

n =  532
somme des inverses des racines des entiers jusqu a n =  44.691570223475026
2*sqrt(n) =  46.130250378683186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.27639122444154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.84578778825401

n =  533
somme des inverses des racines des entiers jusqu a n =  44.73488503165745
2*sqrt(n) =  46.17358552246078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.317848433394936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.89006189944371

n =  534
somme des inverses des racines des entiers jusqu a n =  44.77815926389824
2*sqrt(n) =  46.216880033165374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.359268529305176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.93429361754547

n =  535
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somme des inverses des racines des entiers jusqu a n =  44.82139303401495
2*sqrt(n) =  46.26013402488151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.4006516130855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  49.97848306322951

n =  536
somme des inverses des racines des entiers jusqu a n =  44.864586455294024
2*sqrt(n) =  46.3033476111609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.4419977851901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.0226303565963

n =  537
somme des inverses des racines des entiers jusqu a n =  44.907739640494235
2*sqrt(n) =  46.34652090502587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.483307145617005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.066735617180306

n =  538
somme des inverses des racines des entiers jusqu a n =  44.95085270185016
2*sqrt(n) =  46.389654018972806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.524579793911016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.1107989639537

n =  539
somme des inverses des racines des entiers jusqu a n =  44.99392575107555
2*sqrt(n) =  46.4327470649756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.5658158291666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.1548205153301

n =  540
somme des inverses des racines des entiers jusqu a n =  45.036958899366745
2*sqrt(n) =  46.475800154489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.60701535003068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.19880038916816

n =  541
somme des inverses des racines des entiers jusqu a n =  45.07995225740598
2*sqrt(n) =  46.51881339845203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.64817845470555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.24273870277528

n =  542
somme des inverses des racines des entiers jusqu a n =  45.122905935364734
2*sqrt(n) =  46.561786907291264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.68930524095162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.28663557291109

n =  543
somme des inverses des racines des entiers jusqu a n =  45.16582004290702
2*sqrt(n) =  46.604720790924176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.730395806090236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.33049111579115

n =  544
somme des inverses des racines des entiers jusqu a n =  45.20869468919265
2*sqrt(n) =  46.647615158762406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.77145024700646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.37430544709038

n =  545
somme des inverses des racines des entiers jusqu a n =  45.251529982880456
2*sqrt(n) =  46.69047011971501
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.812468660151765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.41807868194663
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```
n =  546
somme des inverses des racines des entiers jusqu a n =  45.29432603213155
2*sqrt(n) =  46.73328578219169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.853451141546785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.46181093496415

n =  547
somme des inverses des racines des entiers jusqu a n =  45.337082944612455
2*sqrt(n) =  46.776062254106
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.89439778678402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.505502320217

n =  548
somme des inverses des racines des entiers jusqu a n =  45.37980082749829
2*sqrt(n) =  46.8187996428785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.935308691030485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.549152951252516

n =  549
somme des inverses des racines des entiers jusqu a n =  45.42247978747592
2*sqrt(n) =  46.861498055439924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  37.97618394903039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.59276294109469

n =  550
somme des inverses des racines des entiers jusqu a n =  45.46511993074704
2*sqrt(n) =  46.9041575982343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.01702365510778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.63633240224756

n =  551
somme des inverses des racines des entiers jusqu a n =  45.50772136303127
2*sqrt(n) =  46.94677837722201
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.05782790316909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.67986144669847

n =  552
somme des inverses des racines des entiers jusqu a n =  45.55028418956921
2*sqrt(n) =  46.98936049788292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.09859678670582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.72335018592147

n =  553
somme des inverses des racines des entiers jusqu a n =  45.59280851512547
2*sqrt(n) =  47.031904065219386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.13933039879705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.76679873088056

n =  554
somme des inverses des racines des entiers jusqu a n =  45.635294443991675
2*sqrt(n) =  47.07440918375928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.180028832111994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.81020719203293

n =  555
somme des inverses des racines des entiers jusqu a n =  45.67774207998948
2*sqrt(n) =  47.11687595755899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.22069217891255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.85357567933221

n =  556
somme des inverses des racines des entiers jusqu a n =  45.72015152647348
2*sqrt(n) =  47.15930449020638
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.261320531055794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.896904302231675

n =  557
somme des inverses des racines des entiers jusqu a n =  45.76252288633418
2*sqrt(n) =  47.20169488482379
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.3019139799965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.94019316968743

n =  558
somme des inverses des racines des entiers jusqu a n =  45.80485626200091
2*sqrt(n) =  47.24404724407086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.34247261678955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  50.98344239016152

n =  559
somme des inverses des racines des entiers jusqu a n =  45.84715175544469
2*sqrt(n) =  47.286361670147556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.382996532092456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.02665207162511

n =  560
somme des inverses des racines des entiers jusqu a n =  45.88940946818112
2*sqrt(n) =  47.32863826479693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.423485816167734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.06982232156153

n =  561
somme des inverses des racines des entiers jusqu a n =  45.93162950127319
2*sqrt(n) =  47.37087712930804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.46394055888534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.11295324696939

n =  562
somme des inverses des racines des entiers jusqu a n =  45.97381195533415
2*sqrt(n) =  47.41307836451879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.504360849725096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.15604495436563

n =  563
somme des inverses des racines des entiers jusqu a n =  46.01595693053026
2*sqrt(n) =  47.45524207081869
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.544746777779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.19909754978854

n =  564
somme des inverses des racines des entiers jusqu a n =  46.058064526583586
2*sqrt(n) =  47.49736834815167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.58509843175361
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.2421111388007

n =  565
somme des inverses des racines des entiers jusqu a n =  46.10013484277475
2*sqrt(n) =  47.53945729601885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.62541589997241
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.28508582649208

n =  566
somme des inverses des racines des entiers jusqu a n =  46.14216797794567
2*sqrt(n) =  47.58150901348127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.66569927037809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.32802171748287

n =  567
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somme des inverses des racines des entiers jusqu a n =  46.18416403050225
2*sqrt(n) =  47.62352359916263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.70594863053488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.37091891592651

n =  568
somme des inverses des racines des entiers jusqu a n =  46.226123098417084
2*sqrt(n) =  47.66550115125194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.74616406763079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.413777525512515

n =  569
somme des inverses des racines des entiers jusqu a n =  46.26804527923211
2*sqrt(n) =  47.70744176750625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.78634566847992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.45659764946942

n =  570
somme des inverses des racines des entiers jusqu a n =  46.309930670061284
2*sqrt(n) =  47.74934554525329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.826493519524696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.49937939056759

n =  571
somme des inverses des racines des entiers jusqu a n =  46.35177936759315
2*sqrt(n) =  47.791212581394085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.866607706838074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.542122851122095

n =  572
somme des inverses des racines des entiers jusqu a n =  46.393591468093504
2*sqrt(n) =  47.83304297240559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.906688316125795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.5848281329955

n =  573
somme des inverses des racines des entiers jusqu a n =  46.43536706740794
2*sqrt(n) =  47.8748368143433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.94673543272855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.62749533760067

n =  574
somme des inverses des racines des entiers jusqu a n =  46.47710626096442
2*sqrt(n) =  47.916594202843754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  38.98674914162419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.67012456590354

n =  575
somme des inverses des racines des entiers jusqu a n =  46.51880914377583
2*sqrt(n) =  47.958315233127195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.02672952742984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.71271591842587

n =  576
somme des inverses des racines des entiers jusqu a n =  46.5604758104425
2*sqrt(n) =  48.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.06667667440411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.75526949524795

n =  577
somme des inverses des racines des entiers jusqu a n =  46.60210635515468
2*sqrt(n) =  48.041648597857254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.10659066644915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.79778539601131
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n =  578
somme des inverses des racines des entiers jusqu a n =  46.64370087169507
2*sqrt(n) =  48.08326112068523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.14647158711285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.84026371992142

n =  579
somme des inverses des racines des entiers jusqu a n =  46.68525945344123
2*sqrt(n) =  48.12483766206386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.18631951959086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.88270456575036

n =  580
somme des inverses des racines des entiers jusqu a n =  46.7267821933681
2*sqrt(n) =  48.16637831516918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.226134546728716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.92510803183942

n =  581
somme des inverses des racines des entiers jusqu a n =  46.768269184050354
2*sqrt(n) =  48.2078831727758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.26591675102389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  51.967474216101756

n =  582
somme des inverses des racines des entiers jusqu a n =  46.809720517664836
2*sqrt(n) =  48.249352327259274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.305666214627834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.009803216025

n =  583
somme des inverses des racines des entiers jusqu a n =  46.851136285992965
2*sqrt(n) =  48.29078587059855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.345383019348056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.0520951286738

n =  584
somme des inverses des racines des entiers jusqu a n =  46.892516580423084
2*sqrt(n) =  48.33218389437829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.38506724665006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.094350050692405

n =  585
somme des inverses des racines des entiers jusqu a n =  46.93386149195282
2*sqrt(n) =  48.373546489791295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.42471897765944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.13656807830723

n =  586
somme des inverses des racines des entiers jusqu a n =  46.97517111119142
2*sqrt(n) =  48.41487374764082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.464338293163806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.178749307329326

n =  587
somme des inverses des racines des entiers jusqu a n =  47.01644552836207
2*sqrt(n) =  48.45616575834287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.50392527361477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.22089383315692

n =  588
somme des inverses des racines des entiers jusqu a n =  47.05768483330419
2*sqrt(n) =  48.49742261192856
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.543479999129936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.26300175077788

n =  589
somme des inverses des racines des entiers jusqu a n =  47.0988891154757
2*sqrt(n) =  48.53864439804639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.5830025494948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.30507315477218

n =  590
somme des inverses des racines des entiers jusqu a n =  47.14005846395533
2*sqrt(n) =  48.579831205964474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.62249300416471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.34710813931436

n =  591
somme des inverses des racines des entiers jusqu a n =  47.181192967444815
2*sqrt(n) =  48.620983124572874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.661951442266776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.38910679817592

n =  592
somme des inverses des racines des entiers jusqu a n =  47.222292714271155
2*sqrt(n) =  48.662100242385755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.701377942601745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.43106922472776

n =  593
somme des inverses des racines des entiers jusqu a n =  47.26335779238882
2*sqrt(n) =  48.703182647543684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.740772583645956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.47299551194255

n =  594
somme des inverses des racines des entiers jusqu a n =  47.304388289381926
2*sqrt(n) =  48.744230427815765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.780135443553114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.51488575239709

n =  595
somme des inverses des racines des entiers jusqu a n =  47.34538429246646
2*sqrt(n) =  48.78524367060187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.81946660015624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.55674003827469

n =  596
somme des inverses des racines des entiers jusqu a n =  47.386345888492414
2*sqrt(n) =  48.82622246293481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.85876613096946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.59855846136749

n =  597
somme des inverses des racines des entiers jusqu a n =  47.42727316394592
2*sqrt(n) =  48.86716689148246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.89803411318986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.64034111307877

n =  598
somme des inverses des racines des entiers jusqu a n =  47.468166204951395
2*sqrt(n) =  48.908077042549934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.9372706236993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.68208808442525

n =  599
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somme des inverses des racines des entiers jusqu a n =  47.509025097273664
2*sqrt(n) =  48.948953002081666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  39.97647573906622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.723799466039395

n =  600
somme des inverses des racines des entiers jusqu a n =  47.54984992632005
2*sqrt(n) =  48.98979485566356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.01564953554741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.765475348171634

n =  601
somme des inverses des racines des entiers jusqu a n =  47.59064077714245
2*sqrt(n) =  49.03060268852505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.05479208908984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.80711582069266

n =  602
somme des inverses des racines des entiers jusqu a n =  47.63139773443941
2*sqrt(n) =  49.07137658554119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.09390347533236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.8487209730956

n =  603
somme des inverses des racines des entiers jusqu a n =  47.672120882558175
2*sqrt(n) =  49.1121166312347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.13298376960751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.89029089449829

n =  604
somme des inverses des racines des entiers jusqu a n =  47.71281030549673
2*sqrt(n) =  49.15282290977803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.17203304694321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.93182567364544

n =  605
somme des inverses des racines des entiers jusqu a n =  47.75346608690582
2*sqrt(n) =  49.193495504995376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.21105138206453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  52.9733253989108

n =  606
somme des inverses des racines des entiers jusqu a n =  47.794088310090935
2*sqrt(n) =  49.23413450036468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.25003884939537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.01479015829934

n =  607
somme des inverses des racines des entiers jusqu a n =  47.83467705801434
2*sqrt(n) =  49.27473997901968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.28899552306018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.05622003944943

n =  608
somme des inverses des racines des entiers jusqu a n =  47.875232413297034
2*sqrt(n) =  49.31531202375181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.32792147688564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.097615129634896

n =  609
somme des inverses des racines des entiers jusqu a n =  47.91575445822069
2*sqrt(n) =  49.35585071701227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.36681678440237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.13897551576722
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n =  610
somme des inverses des racines des entiers jusqu a n =  47.95624327472964
2*sqrt(n) =  49.39635614091387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.405681518846514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.18030128439755

n =  611
somme des inverses des racines des entiers jusqu a n =  47.99669894443277
2*sqrt(n) =  49.4368283772331
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.444515753161504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.2215925217189

n =  612
somme des inverses des racines des entiers jusqu a n =  48.0371215486055
2*sqrt(n) =  49.47726750741192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.48331955999959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.26284931356809

n =  613
somme des inverses des racines des entiers jusqu a n =  48.0775111681916
2*sqrt(n) =  49.51767361255979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.52209301172358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.3040717454279

n =  614
somme des inverses des racines des entiers jusqu a n =  48.11786788380516
2*sqrt(n) =  49.558046773455466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.56083618040832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.34525990242904

n =  615
somme des inverses des racines des entiers jusqu a n =  48.15819177573243
2*sqrt(n) =  49.59838707054898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.59954913784246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.38641386935224

n =  616
somme des inverses des racines des entiers jusqu a n =  48.1984829239337
2*sqrt(n) =  49.63869458396343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.6382319555299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.42753373063019

n =  617
somme des inverses des racines des entiers jusqu a n =  48.23874140804513
2*sqrt(n) =  49.678969393496885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.676884704691496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.46861957034958

n =  618
somme des inverses des racines des entiers jusqu a n =  48.27896730738058
2*sqrt(n) =  49.71921157862421
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.715507456266515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.50967147225306

n =  619
somme des inverses des racines des entiers jusqu a n =  48.31916070093349
2*sqrt(n) =  49.759421218498915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.754100280914315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.55068951974121

n =  620
somme des inverses des racines des entiers jusqu a n =  48.35932166737861
2*sqrt(n) =  49.79959839195493
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.79266324901579
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.5916737958745

n =  621
somme des inverses des racines des entiers jusqu a n =  48.39945028507387
2*sqrt(n) =  49.839743177508446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.831196430674964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.63262438337519

n =  622
somme des inverses des racines des entiers jusqu a n =  48.4395466320621
2*sqrt(n) =  49.879855653359705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.86969989572052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.673541364629294

n =  623
somme des inverses des racines des entiers jusqu a n =  48.47961078607285
2*sqrt(n) =  49.91993589739474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.90817371370728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.71442482168847

n =  624
somme des inverses des racines des entiers jusqu a n =  48.51964282452412
2*sqrt(n) =  49.95998398718719
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.94661795391776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.7552748362719

n =  625
somme des inverses des racines des entiers jusqu a n =  48.55964282452412
2*sqrt(n) =  50.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  40.9850326853636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.7960914897682

n =  626
somme des inverses des racines des entiers jusqu a n =  48.59961086287299
2*sqrt(n) =  50.039984012787215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.023417976787115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.83687486323727

n =  627
somme des inverses des racines des entiers jusqu a n =  48.63954701606453
2*sqrt(n) =  50.07993610219566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.061773896662736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.87762503741212

n =  628
somme des inverses des racines des entiers jusqu a n =  48.67945136028791
2*sqrt(n) =  50.11985634456667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.10010051319847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.918342092700776

n =  629
somme des inverses des racines des entiers jusqu a n =  48.71932397142936
2*sqrt(n) =  50.15974481593781
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.138397894337366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.95902610918804

n =  630
somme des inverses des racines des entiers jusqu a n =  48.75916492507384
2*sqrt(n) =  50.19960159204453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.17666610775895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  53.99967716663732

n =  631
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somme des inverses des racines des entiers jusqu a n =  48.79897429650674
2*sqrt(n) =  50.23942674832188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.21490522088067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.04029534449249

n =  632
somme des inverses des racines des entiers jusqu a n =  48.83875216071553
2*sqrt(n) =  50.27922035990614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.25311530085928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.08088072187957

n =  633
somme des inverses des racines des entiers jusqu a n =  48.87849859239139
2*sqrt(n) =  50.3189825016365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.29129641459232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.12143337760859

n =  634
somme des inverses des racines des entiers jusqu a n =  48.918213665930864
2*sqrt(n) =  50.35871324805669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.32944862871946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.161953390175306

n =  635
somme des inverses des racines des entiers jusqu a n =  48.95789745543749
2*sqrt(n) =  50.39841267341661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.36757200962391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.20244083776296

n =  636
somme des inverses des racines des entiers jusqu a n =  48.997550034723396
2*sqrt(n) =  50.438080851673966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.40566662343384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.24289579824403

n =  637
somme des inverses des racines des entiers jusqu a n =  49.03717147731091
2*sqrt(n) =  50.47771785649585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.44373253602368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.28331834918193

n =  638
somme des inverses des racines des entiers jusqu a n =  49.07676185643416
2*sqrt(n) =  50.51732376126036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.48176981301557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.32370856783275

n =  639
somme des inverses des racines des entiers jusqu a n =  49.11632124504062
2*sqrt(n) =  50.556898639058154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.519778519780616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.364066531146925

n =  640
somme des inverses des racines des entiers jusqu a n =  49.155849715792726
2*sqrt(n) =  50.59644256269407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.55775872144035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.404392315770934

n =  641
somme des inverses des racines des entiers jusqu a n =  49.19534734106939
2*sqrt(n) =  50.635955604688654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.59571048286798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.44468599804899
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n =  642
somme des inverses des racines des entiers jusqu a n =  49.23481419296758
2*sqrt(n) =  50.67543783727971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.63363386868975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.484947654024694

n =  643
somme des inverses des racines des entiers jusqu a n =  49.27425034330384
2*sqrt(n) =  50.714889332423866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.67152894328624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.52517735944268

n =  644
somme des inverses des racines des entiers jusqu a n =  49.31365586361579
2*sqrt(n) =  50.75431016179808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.709395770793726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.56537518975026

n =  645
somme des inverses des racines des entiers jusqu a n =  49.3530308251637
2*sqrt(n) =  50.79370039680118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.7472344151054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.60554122009906

n =  646
somme des inverses des racines des entiers jusqu a n =  49.39237529893193
2*sqrt(n) =  50.83306010855534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.78504493987273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.64567552534664

n =  647
somme des inverses des racines des entiers jusqu a n =  49.43168935563047
2*sqrt(n) =  50.872389367907616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.82282740850671
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.685778180058065

n =  648
somme des inverses des racines des entiers jusqu a n =  49.470973065696384
2*sqrt(n) =  50.91168824543142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.86058188417915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.72584925850756

n =  649
somme des inverses des racines des entiers jusqu a n =  49.51022649929533
2*sqrt(n) =  50.950956811427986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.89830842982389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.765888834680034

n =  650
somme des inverses des racines des entiers jusqu a n =  49.54944972632296
2*sqrt(n) =  50.99019513592785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.93600710813816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.80589698227269

n =  651
somme des inverses des racines des entiers jusqu a n =  49.58864281640644
2*sqrt(n) =  51.02940328869229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  41.97367798158372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.84587377469658

n =  652
somme des inverses des racines des entiers jusqu a n =  49.627805838905836
2*sqrt(n) =  51.068581339214816
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.01132111238816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.88581928507814

n =  653
somme des inverses des racines des entiers jusqu a n =  49.66693886291558
2*sqrt(n) =  51.10772935672255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.04893656254612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.92573358626077

n =  654
somme des inverses des racines des entiers jusqu a n =  49.70604195726587
2*sqrt(n) =  51.146847410177685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.08652439382048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  54.965616750806284

n =  655
somme des inverses des racines des entiers jusqu a n =  49.745115190524096
2*sqrt(n) =  51.18593556827891
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.12408466774365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.005468850996536

n =  656
somme des inverses des racines des entiers jusqu a n =  49.784158630996245
2*sqrt(n) =  51.22499389946279
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.161617445618695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.045289958834836

n =  657
somme des inverses des racines des entiers jusqu a n =  49.82317234672829
2*sqrt(n) =  51.264022471905186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.199122788520576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.085080146047495

n =  658
somme des inverses des racines des entiers jusqu a n =  49.86215640550756
2*sqrt(n) =  51.30302135352264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.23660075729732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.1248394840853

n =  659
somme des inverses des racines des entiers jusqu a n =  49.901110874864145
2*sqrt(n) =  51.34199061197374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.27405141257123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.164568044125

n =  660
somme des inverses des racines des entiers jusqu a n =  49.94003582207222
2*sqrt(n) =  51.38093031466052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.311474814740045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.204265897070755

n =  661
somme des inverses des racines des entiers jusqu a n =  49.97893131415144
2*sqrt(n) =  51.419840528729765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.34887102397808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.24393311355561

n =  662
somme des inverses des racines des entiers jusqu a n =  50.01779741786826
2*sqrt(n) =  51.45872132107443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.386240100237416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.283569763942936

n =  663
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somme des inverses des racines des entiers jusqu a n =  50.05663419973729
2*sqrt(n) =  51.49757275833493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.42358210324907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.32317591832787

n =  664
somme des inverses des racines des entiers jusqu a n =  50.09544172602261
2*sqrt(n) =  51.536394906900505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.46089709252407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.362751646538726

n =  665
somme des inverses des racines des entiers jusqu a n =  50.13422006273908
2*sqrt(n) =  51.57518783291051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.49818512735465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.40229701813844

n =  666
somme des inverses des racines des entiers jusqu a n =  50.17296927565369
2*sqrt(n) =  51.61395160225576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.53544626681537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.441812102425956

n =  667
somme des inverses des racines des entiers jusqu a n =  50.21168943028681
2*sqrt(n) =  51.65268628057983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.5726805697642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.48129696843764

n =  668
somme des inverses des racines des entiers jusqu a n =  50.25038059191352
2*sqrt(n) =  51.69139193328034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.6098880948437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.52075168494867

n =  669
somme des inverses des racines des entiers jusqu a n =  50.28904282556487
2*sqrt(n) =  51.73006862551025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.64706890048202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.56017632047436

n =  670
somme des inverses des racines des entiers jusqu a n =  50.32767619602918
2*sqrt(n) =  51.76871642217914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.684223044894125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.59957094327165

n =  671
somme des inverses des racines des entiers jusqu a n =  50.36628076785329
2*sqrt(n) =  51.807335387954474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.72135058608279
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.638935621340316

n =  672
somme des inverses des racines des entiers jusqu a n =  50.40485660534382
2*sqrt(n) =  51.84592558726288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.75845158183973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.67827042242446

n =  673
somme des inverses des racines des entiers jusqu a n =  50.4434037725684
2*sqrt(n) =  51.884487084291386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.79552608974666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.71757541401375
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n =  674
somme des inverses des racines des entiers jusqu a n =  50.48192233335697
2*sqrt(n) =  51.92301994298868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.83257416717637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.756850663344835

n =  675
somme des inverses des racines des entiers jusqu a n =  50.520412351302944
2*sqrt(n) =  51.96152422706632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.86959587129379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.79609623740259

n =  676
somme des inverses des racines des entiers jusqu a n =  50.558873889764484
2*sqrt(n) =  52.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.90659125905703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.835312202921486

n =  677
somme des inverses des racines des entiers jusqu a n =  50.59730701186569
2*sqrt(n) =  52.03844732503075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.943560387218476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.874498626386895

n =  678
somme des inverses des racines des entiers jusqu a n =  50.635711780497815
2*sqrt(n) =  52.076866265166146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  42.980503312325745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.91365557403635

n =  679
somme des inverses des racines des entiers jusqu a n =  50.67408825832048
2*sqrt(n) =  52.11525688318153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.01742009072283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.95278311186088

n =  680
somme des inverses des racines des entiers jusqu a n =  50.71243650776285
2*sqrt(n) =  52.15361924162119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.05431077855104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  55.99188130560627

n =  681
somme des inverses des racines des entiers jusqu a n =  50.75075659102482
2*sqrt(n) =  52.191953402799555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.09117543175004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.030950220774315

n =  682
somme des inverses des racines des entiers jusqu a n =  50.789048570078194
2*sqrt(n) =  52.230259428802384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.12801410605892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.06998992262412

n =  683
somme des inverses des racines des entiers jusqu a n =  50.827312506667866
2*sqrt(n) =  52.26853738148792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.164826857017125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.109000476173314

n =  684
somme des inverses des racines des entiers jusqu a n =  50.86554846231296
2*sqrt(n) =  52.306787322488084
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.20161373996553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.14798194619936

n =  685
somme des inverses des racines des entiers jusqu a n =  50.903756498308
2*sqrt(n) =  52.3450093132096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.238374810047375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.18693439724072

n =  686
somme des inverses des racines des entiers jusqu a n =  50.94193667572406
2*sqrt(n) =  52.38320341483518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.27511012220929
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.225857893598125

n =  687
somme des inverses des racines des entiers jusqu a n =  50.980089055409884
2*sqrt(n) =  52.421369688324624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.31181973120227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.2647524993358

n =  688
somme des inverses des racines des entiers jusqu a n =  51.01821369799303
2*sqrt(n) =  52.459508194416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.34850369158266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.30361827828268

n =  689
somme des inverses des racines des entiers jusqu a n =  51.05631066388101
2*sqrt(n) =  52.49761899362675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.38516205771309
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.342455294033584

n =  690
somme des inverses des racines des entiers jusqu a n =  51.09438001326235
2*sqrt(n) =  52.53570214625479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.42179488376348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.381263609950445

n =  691
somme des inverses des racines des entiers jusqu a n =  51.13242180610778
2*sqrt(n) =  52.57375771237966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.458402223711985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.420043289163495

n =  692
somme des inverses des racines des entiers jusqu a n =  51.170436102171266
2*sqrt(n) =  52.61178575186362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.49498413134595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.45879439457246

n =  693
somme des inverses des racines des entiers jusqu a n =  51.20842296099114
2*sqrt(n) =  52.64978632435273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.53154066026283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.497516988847686

n =  694
somme des inverses des racines des entiers jusqu a n =  51.2463824418912
2*sqrt(n) =  52.687759489277965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.56807186387116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.53621113443137

n =  695
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somme des inverses des racines des entiers jusqu a n =  51.28431460398174
2*sqrt(n) =  52.72570530585627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.60457779539148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.57487689353867

n =  696
somme des inverses des racines des entiers jusqu a n =  51.322219506160685
2*sqrt(n) =  52.76362383309168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.64105850785726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.61351432815889

n =  697
somme des inverses des racines des entiers jusqu a n =  51.36009720711461
2*sqrt(n) =  52.80151512977634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.67751405411581
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.652123500056604

n =  698
somme des inverses des racines des entiers jusqu a n =  51.397947765319834
2*sqrt(n) =  52.839379254491625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.71394448682925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.690704470772815

n =  699
somme des inverses des racines des entiers jusqu a n =  51.43577123904345
2*sqrt(n) =  52.87721626560914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.75034985847533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.72925730162605

n =  700
somme des inverses des racines des entiers jusqu a n =  51.47356768634437
2*sqrt(n) =  52.91502622129181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.78673022134841
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.76778205371352

n =  701
somme des inverses des racines des entiers jusqu a n =  51.511337165074394
2*sqrt(n) =  52.952809179494906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.82308562756031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.806278787912206

n =  702
somme des inverses des racines des entiers jusqu a n =  51.549079732879214
2*sqrt(n) =  52.99056519796708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.859416129041264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.84474756487999

n =  703
somme des inverses des racines des entiers jusqu a n =  51.58679544719945
2*sqrt(n) =  53.028294334251406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.895721777540736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.88318844505674

n =  704
somme des inverses des racines des entiers jusqu a n =  51.62448436527167
2*sqrt(n) =  53.0659966456864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.93200262462835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.921601488665424

n =  705
somme des inverses des racines des entiers jusqu a n =  51.662146544129406
2*sqrt(n) =  53.103672189407014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  43.968258721694745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.95998675571315
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n =  706
somme des inverses des racines des entiers jusqu a n =  51.699782040604155
2*sqrt(n) =  53.14132102234569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.00449011995245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  56.99834430599232

n =  707
somme des inverses des racines des entiers jusqu a n =  51.737390911326386
2*sqrt(n) =  53.178943201233324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.04069687043675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.03667419908161

n =  708
somme des inverses des racines des entiers jusqu a n =  51.77497321272653
2*sqrt(n) =  53.21653878260028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.07687902400656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.07497649434714

n =  709
somme des inverses des racines des entiers jusqu a n =  51.81252900103596
2*sqrt(n) =  53.25410782277739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.11303663134526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.113251250943456

n =  710
somme des inverses des racines des entiers jusqu a n =  51.850058332288
2*sqrt(n) =  53.291650377896914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.149169742961554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.151498527814596

n =  711
somme des inverses des racines des entiers jusqu a n =  51.88756126231887
2*sqrt(n) =  53.32916650389353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.18527840919029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.18971838369516

n =  712
somme des inverses des racines des entiers jusqu a n =  51.92503784676866
2*sqrt(n) =  53.36665625650534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.22136268019336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.22791087711133

n =  713
somme des inverses des racines des entiers jusqu a n =  51.96248814108232
2*sqrt(n) =  53.40411969127476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.25742260596046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.266076066381906

n =  714
somme des inverses des racines des entiers jusqu a n =  51.99991220051057
2*sqrt(n) =  53.44155686354955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.29345823630997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.30421400961934

n =  715
somme des inverses des racines des entiers jusqu a n =  52.03731008011091
2*sqrt(n) =  53.47896782848375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.329469620889746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.34232476473076

n =  716
somme des inverses des racines des entiers jusqu a n =  52.07468183474851
2*sqrt(n) =  53.51635264103861
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.365456809177964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.38040838941893

n =  717
somme des inverses des racines des entiers jusqu a n =  52.112027519097175
2*sqrt(n) =  53.55371135598354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.40141985048391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.41846494118335

n =  718
somme des inverses des racines des entiers jusqu a n =  52.14934718764028
2*sqrt(n) =  53.59104402789705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.437358793948825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.456494477321165

n =  719
somme des inverses des racines des entiers jusqu a n =  52.18664089467169
2*sqrt(n) =  53.62835071116769
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.47327368854664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.49449705492822

n =  720
somme des inverses des racines des entiers jusqu a n =  52.22390869429669
2*sqrt(n) =  53.665631459994955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.50916458308485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.53247273090001

n =  721
somme des inverses des racines des entiers jusqu a n =  52.26115064043288
2*sqrt(n) =  53.70288632839021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.54503152620526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.57042156193268

n =  722
somme des inverses des racines des entiers jusqu a n =  52.29836678681112
2*sqrt(n) =  53.74011537017761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.580874566384786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.60834360452403

n =  723
somme des inverses des racines des entiers jusqu a n =  52.3355571869764
2*sqrt(n) =  53.777318638995006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.61669375193624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.64623891497439

n =  724
somme des inverses des racines des entiers jusqu a n =  52.37272189428876
2*sqrt(n) =  53.81449618829484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.65248913100912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.6841075493877

n =  725
somme des inverses des racines des entiers jusqu a n =  52.40986096192417
2*sqrt(n) =  53.85164807134504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.68826075159036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.72194956367238

n =  726
somme des inverses des racines des entiers jusqu a n =  52.44697444287543
2*sqrt(n) =  53.88877434122992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.72400866150512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.75976501354232

n =  727
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somme des inverses des racines des entiers jusqu a n =  52.484062389953046
2*sqrt(n) =  53.925875050851054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.75973290841753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.79755395451782

n =  728
somme des inverses des racines des entiers jusqu a n =  52.5211248557861
2*sqrt(n) =  53.96295025292817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.79543353983148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.835316441926516

n =  729
somme des inverses des racines des entiers jusqu a n =  52.558161892823136
2*sqrt(n) =  54.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.83111060309134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.87305253090433

n =  730
somme des inverses des racines des entiers jusqu a n =  52.59517355333302
2*sqrt(n) =  54.037024344425184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.866764145382746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.910762276396405

n =  731
somme des inverses des racines des entiers jusqu a n =  52.632159889405784
2*sqrt(n) =  54.0740233383831
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.90239421373332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.94844573315799

n =  732
somme des inverses des racines des entiers jusqu a n =  52.66912095295351
2*sqrt(n) =  54.11099703387473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.93800085501342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  57.98610295575539

n =  733
somme des inverses des racines des entiers jusqu a n =  52.70605679571117
2*sqrt(n) =  54.147945482723536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  44.97358411593688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.02373399856686

n =  734
somme des inverses des racines des entiers jusqu a n =  52.74296746923745
2*sqrt(n) =  54.18486873657626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.009144043061745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.06133891578352

n =  735
somme des inverses des racines des entiers jusqu a n =  52.77985302491562
2*sqrt(n) =  54.22176684690383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.044680682791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.098917761410256

n =  736
somme des inverses des racines des entiers jusqu a n =  52.81671351395434
2*sqrt(n) =  54.258639865002145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.080194081373264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.13647058926659

n =  737
somme des inverses des racines des entiers jusqu a n =  52.85354898738853
2*sqrt(n) =  54.29548784199291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.11568428490357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.17399745298758
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n =  738
somme des inverses des racines des entiers jusqu a n =  52.890359496080144
2*sqrt(n) =  54.3323108288245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.151151339324024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.21149840602474

n =  739
somme des inverses des racines des entiers jusqu a n =  52.92714509071903
2*sqrt(n) =  54.36910887627275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.18659529042454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.24897350164685

n =  740
somme des inverses des racines des entiers jusqu a n =  52.96390582182372
2*sqrt(n) =  54.405882034941776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.22201618384356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.28642279294088

n =  741
somme des inverses des racines des entiers jusqu a n =  53.00064173974226
2*sqrt(n) =  54.4426303552648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.25741406506871
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.32384633281284

n =  742
somme des inverses des racines des entiers jusqu a n =  53.037352894652976
2*sqrt(n) =  54.47935388750494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.29278897943756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.36124417398864

n =  743
somme des inverses des racines des entiers jusqu a n =  53.07403933656533
2*sqrt(n) =  54.516052681756044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.32814097213828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.398616369014924

n =  744
somme des inverses des racines des entiers jusqu a n =  53.110701115320666
2*sqrt(n) =  54.55272678794342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.36347008821033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.43596297025997

n =  745
somme des inverses des racines des entiers jusqu a n =  53.14733828059303
2*sqrt(n) =  54.589376255824725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.398776372545164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.47328402991451

n =  746
somme des inverses des racines des entiers jusqu a n =  53.18395088188994
2*sqrt(n) =  54.62600113499065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.43405986988689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.51057959999253

n =  747
somme des inverses des racines des entiers jusqu a n =  53.22053896855317
2*sqrt(n) =  54.662601474865795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.469320624832974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.5478497323322

n =  748
somme des inverses des racines des entiers jusqu a n =  53.257102589759526
2*sqrt(n) =  54.699177324709375
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.504558681834894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.585094478596616

n =  749
somme des inverses des racines des entiers jusqu a n =  53.29364179452162
2*sqrt(n) =  54.735728733616035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.539774085198815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.62231389027465

n =  750
somme des inverses des racines des entiers jusqu a n =  53.33015663168863
2*sqrt(n) =  54.772255750516614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.574966879086254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.65950801868179

n =  751
somme des inverses des racines des entiers jusqu a n =  53.36664714994707
2*sqrt(n) =  54.80875842417888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.610137107514745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.69667691496095

n =  752
somme des inverses des racines des entiers jusqu a n =  53.40311339782154
2*sqrt(n) =  54.84523680320835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.64528481435851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.73382063008327

n =  753
somme des inverses des racines des entiers jusqu a n =  53.43955542367549
2*sqrt(n) =  54.881690936048976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.68041004334908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.77093921484892

n =  754
somme des inverses des racines des entiers jusqu a n =  53.47597327571196
2*sqrt(n) =  54.91812087098393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.715512838075966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.808032719887905

n =  755
somme des inverses des racines des entiers jusqu a n =  53.5123670019743
2*sqrt(n) =  54.954526656136345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.75059324198732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.84510119566086

n =  756
somme des inverses des racines des entiers jusqu a n =  53.54873665034696
2*sqrt(n) =  54.99090833947008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.78565129839055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.88214469245985

n =  757
somme des inverses des racines des entiers jusqu a n =  53.5850822685562
2*sqrt(n) =  55.02726596879042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.82068705045297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.91916326040914

n =  758
somme des inverses des racines des entiers jusqu a n =  53.621403904170805
2*sqrt(n) =  55.06359959174482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.855700541202445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.956156949466006

n =  759
```

```
somme des inverses des racines des entiers jusqu a n =  53.657701604602835
2*sqrt(n) =  55.09990925582364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.89069181352801
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  58.99312580942146

n =  760
somme des inverses des racines des entiers jusqu a n =  53.693975417108334
2*sqrt(n) =  55.136195008360886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.925660910180504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.03006988990108

n =  761
somme des inverses des racines des entiers jusqu a n =  53.73022538878806
2*sqrt(n) =  55.17245689653489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.9606078737732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.066989240365736

n =  762
somme des inverses des racines des entiers jusqu a n =  53.76645156658817
2*sqrt(n) =  55.20869496736904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  45.995532746782395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.103883910112366

n =  763
somme des inverses des racines des entiers jusqu a n =  53.802653997300965
2*sqrt(n) =  55.24490926773253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.030435571548075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.140753948274764

n =  764
somme des inverses des racines des entiers jusqu a n =  53.83883272756559
2*sqrt(n) =  55.281099844341014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.06531639027449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.177599403824274

n =  765
somme des inverses des racines des entiers jusqu a n =  53.8749878038687
2*sqrt(n) =  55.31726674375732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.10017524503078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.21442032557059

n =  766
somme des inverses des racines des entiers jusqu a n =  53.91111927254519
2*sqrt(n) =  55.35341001239219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.1350121777516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.251216762162485

n =  767
somme des inverses des racines des entiers jusqu a n =  53.9472271797789
2*sqrt(n) =  55.389529696504916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.16982723023766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.287988762088546

n =  768
somme des inverses des racines des entiers jusqu a n =  53.98331157160325
2*sqrt(n) =  55.42562584220407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.2046204441564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.32473637367791

n =  769
somme des inverses des racines des entiers jusqu a n =  54.01937249390198
2*sqrt(n) =  55.46169849544819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.23939186104254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.361459645101014
```

```
n =  770
somme des inverses des racines des entiers jusqu a n =  54.05540999240981
2*sqrt(n) =  55.49774770204643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.2741415222987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.398158624370296

n =  771
somme des inverses des racines des entiers jusqu a n =  54.091424112713085
2*sqrt(n) =  55.53377350765928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.308869469195955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.43483335934095

n =  772
somme des inverses des racines des entiers jusqu a n =  54.12741490025052
2*sqrt(n) =  55.569775957799216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.343575742874435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.47148389771161

n =  773
somme des inverses des racines des entiers jusqu a n =  54.1633824003138
2*sqrt(n) =  55.60575509783138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.37826038434395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.50811028702509

n =  774
somme des inverses des racines des entiers jusqu a n =  54.19932665804828
2*sqrt(n) =  55.641710972974224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.41292343448449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.54471257466909

n =  775
somme des inverses des racines des entiers jusqu a n =  54.235247718453635
2*sqrt(n) =  55.67764362830022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.447564934046866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.58129080787689

n =  776
somme des inverses des racines des entiers jusqu a n =  54.27114562638452
2*sqrt(n) =  55.71355310873648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.48218492365326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.61784503372809

n =  777
somme des inverses des racines des entiers jusqu a n =  54.30702042655123
2*sqrt(n) =  55.749439459065414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.51678344379776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.65437529914924

n =  778
somme des inverses des racines des entiers jusqu a n =  54.34287216352034
2*sqrt(n) =  55.78530272392541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.55136053484702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.69088165091461

n =  779
somme des inverses des racines des entiers jusqu a n =  54.37870088171534
2*sqrt(n) =  55.82114294781145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.5859162370407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.72736413564683

n =  780
somme des inverses des racines des entiers jusqu a n =  54.41450662541731
2*sqrt(n) =  55.85696017507576
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.62045059049212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.76382279981758

n =  781
somme des inverses des racines des entiers jusqu a n =  54.45028943876554
2*sqrt(n) =  55.89275444992848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.65496363518879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.80025768974833

n =  782
somme des inverses des racines des entiers jusqu a n =  54.48604936575814
2*sqrt(n) =  55.92852581643825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.68945541099294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.83666885161091

n =  783
somme des inverses des racines des entiers jusqu a n =  54.52178645025273
2*sqrt(n) =  55.96427431853289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.72392595764208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.87305633142829

n =  784
somme des inverses des racines des entiers jusqu a n =  54.55750073596702
2*sqrt(n) =  56.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.75837531474959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.909420175075205

n =  785
somme des inverses des racines des entiers jusqu a n =  54.59319226647943
2*sqrt(n) =  56.0357029044876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.79280352180519
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.94576042827881

n =  786
somme des inverses des racines des entiers jusqu a n =  54.62886108522975
2*sqrt(n) =  56.07138307550475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.82721061817554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  59.98207713661935

n =  787
somme des inverses des racines des entiers jusqu a n =  54.66450723551973
2*sqrt(n) =  56.10704055642215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.86159664310474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.018370345530855

n =  788
somme des inverses des racines des entiers jusqu a n =  54.70013076051368
2*sqrt(n) =  56.142675390472796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.89596163571491
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.05464010030174

n =  789
somme des inverses des racines des entiers jusqu a n =  54.735731703239125
2*sqrt(n) =  56.178287620752556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.93030563500668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.090886446075494

n =  790
somme des inverses des racines des entiers jusqu a n =  54.771310106587364
2*sqrt(n) =  56.213877290220786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.964628679859715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.12710942785132

n =  791
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somme des inverses des racines des entiers jusqu a n =  54.80686601331411
2*sqrt(n) =  56.24944444170093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  46.998930809033276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.16330909048476

n =  792
somme des inverses des racines des entiers jusqu a n =  54.84239946604004
2*sqrt(n) =  56.28498911788115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.03321206116672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.199485478688366

n =  793
somme des inverses des racines des entiers jusqu a n =  54.877910507251464
2*sqrt(n) =  56.32051136131489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.06747247478004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.23563863703232

n =  794
somme des inverses des racines des entiers jusqu a n =  54.913399179300846
2*sqrt(n) =  56.356011214421486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.10171208827435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.271768609945056

n =  795
somme des inverses des racines des entiers jusqu a n =  54.948865524407445
2*sqrt(n) =  56.39148871948674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.1359309399324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.307875441713904

n =  796
somme des inverses des racines des entiers jusqu a n =  54.984309584657865
2*sqrt(n) =  56.42694391866354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.170129067919156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.34395917648573

n =  797
somme des inverses des racines des entiers jusqu a n =  55.019731402006656
2*sqrt(n) =  56.462376853972415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.2043065102822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.380019858267524

n =  798
somme des inverses des racines des entiers jusqu a n =  55.055131018276896
2*sqrt(n) =  56.49778756730214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.238463304952326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.41605753092705

n =  799
somme des inverses des racines des entiers jusqu a n =  55.09050847516076
2*sqrt(n) =  56.53317610041028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.272599489744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.452072238193416

n =  800
somme des inverses des racines des entiers jusqu a n =  55.12586381422009
2*sqrt(n) =  56.568542494923804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.306715102355874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.48806402365777

n =  801
somme des inverses des racines des entiers jusqu a n =  55.16119707688697
2*sqrt(n) =  56.60388679233962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.34081018037126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.52403293077381
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n =  802
somme des inverses des racines des entiers jusqu a n =  55.196508304464295
2*sqrt(n) =  56.639209034025185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.37488476125867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.55997900285845

n =  803
somme des inverses des racines des entiers jusqu a n =  55.23179753812632
2*sqrt(n) =  56.674509261219015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.40893888237225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.5959022830924

n =  804
somme des inverses des racines des entiers jusqu a n =  55.26706481891925
2*sqrt(n) =  56.7097875150313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.442972580952336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.63180281452079

n =  805
somme des inverses des racines des entiers jusqu a n =  55.30231018776176
2*sqrt(n) =  56.74504383644443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.47698589412587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.66768064005372

n =  806
somme des inverses des racines des entiers jusqu a n =  55.33753368544558
2*sqrt(n) =  56.78027826631356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.51097885890693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.703535802466874

n =  807
somme des inverses des racines des entiers jusqu a n =  55.37273535263601
2*sqrt(n) =  56.815490845367165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.544951512197215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.739368344402145

n =  808
somme des inverses des racines des entiers jusqu a n =  55.40791522987253
2*sqrt(n) =  56.85068161420758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.578903890786485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.77517830836813

n =  809
somme des inverses des racines des entiers jusqu a n =  55.44307335756926
2*sqrt(n) =  56.88585061331157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.612836031353076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.81096573674082

n =  810
somme des inverses des racines des entiers jusqu a n =  55.478209776015575
2*sqrt(n) =  56.92099788303083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.64674797046434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.84673067176407

n =  811
somme des inverses des racines des entiers jusqu a n =  55.5133245253766
2*sqrt(n) =  56.95612346359257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.68063974457716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.88247315555028

n =  812
somme des inverses des racines des entiers jusqu a n =  55.54841764569378
2*sqrt(n) =  56.991227395100026
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.714511390038346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.91819323008087

n =  813
somme des inverses des racines des entiers jusqu a n =  55.58348917688538
2*sqrt(n) =  57.02630971753301
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.7483629430852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.953890937206914

n =  814
somme des inverses des racines des entiers jusqu a n =  55.61853915874702
2*sqrt(n) =  57.06137047074842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.78219443984588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  60.98956631864969

n =  815
somme des inverses des racines des entiers jusqu a n =  55.653567630952224
2*sqrt(n) =  57.09640969448079
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.816005916339925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.02521941600123

n =  816
somme des inverses des racines des entiers jusqu a n =  55.68857463305292
2*sqrt(n) =  57.1314274283428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.84979740847869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.060850270724856

n =  817
somme des inverses des racines des entiers jusqu a n =  55.72356020447999
2*sqrt(n) =  57.16642371182581
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.8835689520658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.09645892415581

n =  818
somme des inverses des racines des entiers jusqu a n =  55.75852438454374
2*sqrt(n) =  57.201398584300364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.917320582797615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.132045417501736

n =  819
somme des inverses des racines des entiers jusqu a n =  55.79346721243447
2*sqrt(n) =  57.23635208501674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.951052336263665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.167609791843276

n =  820
somme des inverses des racines des entiers jusqu a n =  55.82838872722295
2*sqrt(n) =  57.271284253105414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  47.98476424794711
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.203152088134566

n =  821
somme des inverses des racines des entiers jusqu a n =  55.86328896786094
2*sqrt(n) =  57.30619512757761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.01845635322518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.238672347203824

n =  822
somme des inverses des racines des entiers jusqu a n =  55.8981679731817
2*sqrt(n) =  57.3410847473258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.05212868736962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.274170609753895

n =  823
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somme des inverses des racines des entiers jusqu a n =  55.93302578190049
2*sqrt(n) =  57.37595315112421
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.085781285547135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.309646916362745

n =  824
somme des inverses des racines des entiers jusqu a n =  55.96786243261507
2*sqrt(n) =  57.41080037762929
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.11941418281982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.34510130748403

n =  825
somme des inverses des racines des entiers jusqu a n =  56.002677963806214
2*sqrt(n) =  57.445626465380286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.153027414145605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.38053382344763

n =  826
somme des inverses des racines des entiers jusqu a n =  56.037472413838174
2*sqrt(n) =  57.48043145279966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.18662101437868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.41594450446015

n =  827
somme des inverses des racines des entiers jusqu a n =  56.07224582095921
2*sqrt(n) =  57.51521537819362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.220195018269926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.45133339060547

n =  828
somme des inverses des racines des entiers jusqu a n =  56.10699822330206
2*sqrt(n) =  57.54997827975264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.253749460467375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.48670052184527

n =  829
somme des inverses des racines des entiers jusqu a n =  56.141729658884415
2*sqrt(n) =  57.584720195551874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.28728437551658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.522045938019524

n =  830
somme des inverses des racines des entiers jusqu a n =  56.17644016560945
2*sqrt(n) =  57.619441163551734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.32079979786109
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.55736967884706

n =  831
somme des inverses des racines des entiers jusqu a n =  56.211129781266244
2*sqrt(n) =  57.654141221598294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.35429576184284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.59267178392602

n =  832
somme des inverses des racines des entiers jusqu a n =  56.24579854353032
2*sqrt(n) =  57.688820407423826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.38777230170262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.627952292734435

n =  833
somme des inverses des racines des entiers jusqu a n =  56.280446489964085
2*sqrt(n) =  57.723478758647246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.4212294515804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.66321124463067
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n =  834
somme des inverses des racines des entiers jusqu a n =  56.315073658017305
2*sqrt(n) =  57.758116312774604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.45466724551586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.69844867885398

n =  835
somme des inverses des racines des entiers jusqu a n =  56.3496800850276
2*sqrt(n) =  57.79273310719956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.488085717448705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.73366463452499

n =  836
somme des inverses des racines des entiers jusqu a n =  56.3842658082209
2*sqrt(n) =  57.82732917920384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.52148490121914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.7688591506462

n =  837
somme des inverses des racines des entiers jusqu a n =  56.418830864711914
2*sqrt(n) =  57.86190456595773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.55486483056825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.80403226610247

n =  838
somme des inverses des racines des entiers jusqu a n =  56.453375291504585
2*sqrt(n) =  57.89645930452051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.58822553913843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.83918401966156

n =  839
somme des inverses des racines des entiers jusqu a n =  56.48789912549257
2*sqrt(n) =  57.93099343184095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.621567060473744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.874314449974555

n =  840
somme des inverses des racines des entiers jusqu a n =  56.52240240345969
2*sqrt(n) =  57.96550698475775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.65488942802039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.909423595576435

n =  841
somme des inverses des racines des entiers jusqu a n =  56.55688516208038
2*sqrt(n) =  58.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.68819267512705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.94451149488648

n =  842
somme des inverses des racines des entiers jusqu a n =  56.591347437920156
2*sqrt(n) =  58.034472514187634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.7214768350453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  61.9795781862088

n =  843
somme des inverses des racines des entiers jusqu a n =  56.62578926743607
2*sqrt(n) =  58.0689245638319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.75474194093004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.01462370773283

n =  844
somme des inverses des racines des entiers jusqu a n =  56.660210686977145
2*sqrt(n) =  58.1033561853358
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.78798802583984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.049648097533776

n =  845
somme des inverses des racines des entiers jusqu a n =  56.694611732784836
2*sqrt(n) =  58.137767414994535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.82121512273736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.084651393573125

n =  846
somme des inverses des racines des entiers jusqu a n =  56.72899244099346
2*sqrt(n) =  58.172158288995945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.85442326448972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.11963363369906

n =  847
somme des inverses des racines des entiers jusqu a n =  56.763352847630664
2*sqrt(n) =  58.20652884342099
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.887612483868935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.15459485564702

n =  848
somme des inverses des racines des entiers jusqu a n =  56.79769298861783
2*sqrt(n) =  58.240879114244144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.920782813552236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.1895350970401

n =  849
somme des inverses des racines des entiers jusqu a n =  56.83201289977056
2*sqrt(n) =  58.27520913733386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.95393428612251
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.224454395389536

n =  850
somme des inverses des racines des entiers jusqu a n =  56.866312616799064
2*sqrt(n) =  58.309518948453004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  48.987066934068636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.259352788095185

n =  851
somme des inverses des racines des entiers jusqu a n =  56.90059217530862
2*sqrt(n) =  58.34380858325929
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.02018078978591
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.294230312445976

n =  852
somme des inverses des racines des entiers jusqu a n =  56.934851610799996
2*sqrt(n) =  58.378078077305695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.053275885576376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.32908700562035

n =  853
somme des inverses des racines des entiers jusqu a n =  56.96909095866989
2*sqrt(n) =  58.412327466040935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.08635225364925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.363922904686774

n =  854
somme des inverses des racines des entiers jusqu a n =  57.00331025421134
2*sqrt(n) =  58.44655678480983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.11940992612126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.398738046604116

n =  855
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somme des inverses des racines des entiers jusqu a n =  57.03750953261418
2*sqrt(n) =  58.48076606885378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.15244893501702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.43353246822216

n =  856
somme des inverses des racines des entiers jusqu a n =  57.071688828965414
2*sqrt(n) =  58.51495535331117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.185469312269426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.468306206282044

n =  857
somme des inverses des racines des entiers jusqu a n =  57.10584817824967
2*sqrt(n) =  58.54912467321779
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.218471089720005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.503059297416684

n =  858
somme des inverses des racines des entiers jusqu a n =  57.13998761534962
2*sqrt(n) =  58.58327406350724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.251454299119274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.537791778151224

n =  859
somme des inverses des racines des entiers jusqu a n =  57.174107175046366
2*sqrt(n) =  58.61740355901138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.28441897212712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.57250368490351

n =  860
somme des inverses des racines des entiers jusqu a n =  57.20820689201989
2*sqrt(n) =  58.65151319446072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.317365140313164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.6071950539845

n =  861
somme des inverses des racines des entiers jusqu a n =  57.242286800849435
2*sqrt(n) =  58.68560300448484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.350292835157106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.64186592159871

n =  862
somme des inverses des racines des entiers jusqu a n =  57.276346936013944
2*sqrt(n) =  58.71967302361279
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.383202088049096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.67651632384464

n =  863
somme des inverses des racines des entiers jusqu a n =  57.310387331892436
2*sqrt(n) =  58.75372328627353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.4160929302901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.71114629671524

n =  864
somme des inverses des racines des entiers jusqu a n =  57.344408022764426
2*sqrt(n) =  58.787753826796276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.448965393092216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.74575587609831

n =  865
somme des inverses des racines des entiers jusqu a n =  57.378409042810326
2*sqrt(n) =  58.82176467941097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.48181950757909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.78034509777691
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n =  866
somme des inverses des racines des entiers jusqu a n =  57.412390426111855
2*sqrt(n) =  58.855755878248644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.51465530478621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.81491399742986

n =  867
somme des inverses des racines des entiers jusqu a n =  57.44635220665242
2*sqrt(n) =  58.88972745734183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.54747281566129
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.8494626106321

n =  868
somme des inverses des racines des entiers jusqu a n =  57.48029441831753
2*sqrt(n) =  58.92367945062494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.580272071064584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.883990972855116

n =  869
somme des inverses des racines des entiers jusqu a n =  57.514217094895166
2*sqrt(n) =  58.957611891934704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.61305310176931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.918499119467405

n =  870
somme des inverses des racines des entiers jusqu a n =  57.548120270076204
2*sqrt(n) =  58.9915248150105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.645815938461865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.95298708573482

n =  871
somme des inverses des racines des entiers jusqu a n =  57.58200397745479
2*sqrt(n) =  59.02541825349483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.67856061174232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  62.98745490682108

n =  872
somme des inverses des racines des entiers jusqu a n =  57.61586825052872
2*sqrt(n) =  59.0592922409336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.71128715212462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.02190261778809

n =  873
somme des inverses des racines des entiers jusqu a n =  57.64971312269984
2*sqrt(n) =  59.09314681077663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.743995590037024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.056330253596435

n =  874
somme des inverses des racines des entiers jusqu a n =  57.68353862727443
2*sqrt(n) =  59.12698199637793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.776685955822394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.0907378491057

n =  875
somme des inverses des racines des entiers jusqu a n =  57.71734479746357
2*sqrt(n) =  59.16079783099616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.80935827973854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.12512543907497

n =  876
somme des inverses des racines des entiers jusqu a n =  57.75113166638354
2*sqrt(n) =  59.19459434779497
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.84201259195857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.159493058163164

n =  877
somme des inverses des racines des entiers jusqu a n =  57.784899267056204
2*sqrt(n) =  59.22837157984339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.874648922571204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.19384074092948

n =  878
somme des inverses des racines des entiers jusqu a n =  57.818647632409345
2*sqrt(n) =  59.262129560116215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.90726730158109
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.22816852183377

n =  879
somme des inverses des racines des entiers jusqu a n =  57.85237679527709
2*sqrt(n) =  59.295868321494375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.939867758909195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.26247643523696

n =  880
somme des inverses des racines des entiers jusqu a n =  57.88608678840025
2*sqrt(n) =  59.329587896765304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  49.97245032439305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.296764515401435

n =  881
somme des inverses des racines des entiers jusqu a n =  57.91977764442671
2*sqrt(n) =  59.36328831862332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.00501502778714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.331032796491414

n =  882
somme des inverses des racines des entiers jusqu a n =  57.95344939591178
2*sqrt(n) =  59.39696961966999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.037561898763194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.36528131257339

n =  883
somme des inverses des racines des entiers jusqu a n =  57.98710207531859
2*sqrt(n) =  59.430631832414505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.07009096691054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.399510097616485

n =  884
somme des inverses des racines des entiers jusqu a n =  58.020735715018404
2*sqrt(n) =  59.464274989274024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.10260226173638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.43371918549285

n =  885
somme des inverses des racines des entiers jusqu a n =  58.05435034729104
2*sqrt(n) =  59.49789912257407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.13509581266614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.46790860997803

n =  886
somme des inverses des racines des entiers jusqu a n =  58.08794600432521
2*sqrt(n) =  59.531504264548865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.16757164904378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.50207840475141

n =  887
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somme des inverses des racines des entiers jusqu a n =  58.12152271821886
2*sqrt(n) =  59.565090447341724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.20002980013214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.536228603396516

n =  888
somme des inverses des racines des entiers jusqu a n =  58.15508052097957
2*sqrt(n) =  59.59865770300536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.23247029511319
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.57035923940145

n =  889
somme des inverses des racines des entiers jusqu a n =  58.188619444524846
2*sqrt(n) =  59.632206063502295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.26489316308839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.60447034615925

n =  890
somme des inverses des racines des entiers jusqu a n =  58.222139520682546
2*sqrt(n) =  59.665735560705194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.29729843307901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.63856195696829

n =  891
somme des inverses des racines des entiers jusqu a n =  58.25564078119119
2*sqrt(n) =  59.6992462263972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.32968613402639
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.67263410503261

n =  892
somme des inverses des racines des entiers jusqu a n =  58.28912325770031
2*sqrt(n) =  59.732738092272314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.3620562947923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.70668682346232

n =  893
somme des inverses des racines des entiers jusqu a n =  58.322586981770826
2*sqrt(n) =  59.76621118993574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.39440894415924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.74072014527399

n =  894
somme des inverses des racines des entiers jusqu a n =  58.35603198487536
2*sqrt(n) =  59.799665550904216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.4267441108307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.774734103390976

n =  895
somme des inverses des racines des entiers jusqu a n =  58.3894582983986
2*sqrt(n) =  59.833101206606365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.459061823431504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.80872873064379

n =  896
somme des inverses des racines des entiers jusqu a n =  58.422865953637654
2*sqrt(n) =  59.86651818838306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.49136211050813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.842704059770526

n =  897
somme des inverses des racines des entiers jusqu a n =  58.45625498180236
2*sqrt(n) =  59.89991652748775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.52364500052895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.876660123417146
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n =  898
somme des inverses des racines des entiers jusqu a n =  58.48962541401566
2*sqrt(n) =  59.93329625508679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.555910521884584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.91059695413789

n =  899
somme des inverses des racines des entiers jusqu a n =  58.52297728131391
2*sqrt(n) =  59.9666574022598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.58815870288817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.94451458439561

n =  900
somme des inverses des racines des entiers jusqu a n =  58.556310614647245
2*sqrt(n) =  60.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.62038957177569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  63.97841304656216

n =  901
somme des inverses des racines des entiers jusqu a n =  58.589625444879886
2*sqrt(n) =  60.03332407921454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.6526031567062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.01229237291871

n =  902
somme des inverses des racines des entiers jusqu a n =  58.622921802790486
2*sqrt(n) =  60.06662967072483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.684799485762206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.04615259565614

n =  903
somme des inverses des racines des entiers jusqu a n =  58.656199719072475
2*sqrt(n) =  60.09991680526688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.71697858694989
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.07999374687537

n =  904
somme des inverses des racines des entiers jusqu a n =  58.689459224334364
2*sqrt(n) =  60.13318551349163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.74914048819945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.11381585858771

n =  905
somme des inverses des racines des entiers jusqu a n =  58.72270034910009
2*sqrt(n) =  60.166435825965294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.781285217365365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.14761896271526

n =  906
somme des inverses des racines des entiers jusqu a n =  58.75592312380934
2*sqrt(n) =  60.199667773169644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.81341280222666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.18140309109113

n =  907
somme des inverses des racines des entiers jusqu a n =  58.78912757881788
2*sqrt(n) =  60.23288138550239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.84552327048725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.21516827545996

n =  908
somme des inverses des racines des entiers jusqu a n =  58.82231374439788
2*sqrt(n) =  60.266076693277455
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.87761664977616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.2489145474781

n =  909
somme des inverses des racines des entiers jusqu a n =  58.85548165073821
2*sqrt(n) =  60.29925372672534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.90969296764786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.28264193871408

n =  910
somme des inverses des racines des entiers jusqu a n =  58.8886313279448
2*sqrt(n) =  60.332412515993425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.94175225158253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.31635048064888

n =  911
somme des inverses des racines des entiers jusqu a n =  58.92176280604093
2*sqrt(n) =  60.36555309114628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  50.973794528986325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.35004020467626

n =  912
somme des inverses des racines des entiers jusqu a n =  58.954876114967554
2*sqrt(n) =  60.398675482166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.005819827191665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.38371114210317

n =  913
somme des inverses des racines des entiers jusqu a n =  58.98797128458363
2*sqrt(n) =  60.43177971895251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.03782817345754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.41736332414999

n =  914
somme des inverses des racines des entiers jusqu a n =  59.02104834466641
2*sqrt(n) =  60.4648658313239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.06981959496974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.45099678195098

n =  915
somme des inverses des racines des entiers jusqu a n =  59.054107324911776
2*sqrt(n) =  60.4979338490167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.10179411884118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.48461154655446

n =  916
somme des inverses des racines des entiers jusqu a n =  59.08714825493453
2*sqrt(n) =  60.530983801686226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.13375177211209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.5182076489233

n =  917
somme des inverses des racines des entiers jusqu a n =  59.120171164268726
2*sqrt(n) =  60.56401571890688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.16569258175041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.5517851199351

n =  918
somme des inverses des racines des entiers jusqu a n =  59.15317608236795
2*sqrt(n) =  60.597029630172464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.197616574651974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.58534399038271

n =  919
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somme des inverses des racines des entiers jusqu a n =  59.18616303860565
2*sqrt(n) =  60.63002556489647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.22952377764078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.61888429097431

n =  920
somme des inverses des racines des entiers jusqu a n =  59.21913206227544
2*sqrt(n) =  60.663003552412405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.261414217469316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.65240605233394

n =  921
somme des inverses des racines des entiers jusqu a n =  59.25208318259139
2*sqrt(n) =  60.69596362197407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.29328792081876
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.68590930500172

n =  922
somme des inverses des racines des entiers jusqu a n =  59.28501642868833
2*sqrt(n) =  60.728905802755904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.32514491429931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.7193940794342

n =  923
somme des inverses des racines des entiers jusqu a n =  59.31793182962216
2*sqrt(n) =  60.76183012385325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.3569852244504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.75286040600467

n =  924
somme des inverses des racines des entiers jusqu a n =  59.350829414370146
2*sqrt(n) =  60.794736614282655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.38880887774097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.7863083150035

n =  925
somme des inverses des racines des entiers jusqu a n =  59.38370921183122
2*sqrt(n) =  60.8276253029822
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.42061590056977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.81973783663841

n =  926
somme des inverses des racines des entiers jusqu a n =  59.41657125082626
2*sqrt(n) =  60.860496218811754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.45240631926557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.85314900103484

n =  927
somme des inverses des racines des entiers jusqu a n =  59.4494155600984
2*sqrt(n) =  60.89334939055332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.48418016008746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.88654183823624

n =  928
somme des inverses des racines des entiers jusqu a n =  59.482242168313334
2*sqrt(n) =  60.92618484691127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.51593744922506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.91991637820436

n =  929
somme des inverses des racines des entiers jusqu a n =  59.51505110405957
2*sqrt(n) =  60.959002616512684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.54767821279884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.9532726508196
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n =  930
somme des inverses des racines des entiers jusqu a n =  59.54784239584877
2*sqrt(n) =  60.991802727907626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.579402476860324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  64.98661068588127

n =  931
somme des inverses des racines des entiers jusqu a n =  59.580616072115994
2*sqrt(n) =  61.02458520956943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.61111026739236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.01993051310797

n =  932
somme des inverses des racines des entiers jusqu a n =  59.61337216122001
2*sqrt(n) =  61.05735008989499
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.6428016103094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.05323216213777

n =  933
somme des inverses des racines des entiers jusqu a n =  59.646110691443596
2*sqrt(n) =  61.09009739720506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.67447653145771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.08651566252873

n =  934
somme des inverses des racines des entiers jusqu a n =  59.67883169099378
2*sqrt(n) =  61.1228271597445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.70613505661566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.11978104375892

n =  935
somme des inverses des racines des entiers jusqu a n =  59.711535188002166
2*sqrt(n) =  61.155539405682624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.737777211493935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.15302833522696

n =  936
somme des inverses des racines des entiers jusqu a n =  59.7442212105252
2*sqrt(n) =  61.18823416311342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.769403021735826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.18625756625221

n =  937
somme des inverses des racines des entiers jusqu a n =  59.77688978654444
2*sqrt(n) =  61.220911460055866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.801012512917445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.21946876607507

n =  938
somme des inverses des racines des entiers jusqu a n =  59.80954094396685
2*sqrt(n) =  61.25357132445422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.832605710547995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.25266196385734

n =  939
somme des inverses des racines des entiers jusqu a n =  59.842174710625095
2*sqrt(n) =  61.28621378417825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.864182640069984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.28583718868238

n =  940
somme des inverses des racines des entiers jusqu a n =  59.87479111427777
2*sqrt(n) =  61.318838867023565
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.89574332685951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.31899446955559

n =  941
somme des inverses des racines des entiers jusqu a n =  59.90739018260971
2*sqrt(n) =  61.35144660071187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.92728779622649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.35213383540456

n =  942
somme des inverses des racines des entiers jusqu a n =  59.939971943232266
2*sqrt(n) =  61.38403701289123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.95881607341486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.3852553150794

n =  943
somme des inverses des racines des entiers jusqu a n =  59.97253642368356
2*sqrt(n) =  61.41661013113635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  51.99032818360289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.41835893735308

n =  944
somme des inverses des racines des entiers jusqu a n =  60.00508365142876
2*sqrt(n) =  61.44916598294886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.02182415190336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.45144473092161

n =  945
somme des inverses des racines des entiers jusqu a n =  60.03761365386038
2*sqrt(n) =  61.48170459575759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.05330400336385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.48451272440445

n =  946
somme des inverses des racines des entiers jusqu a n =  60.0701264582985
2*sqrt(n) =  61.514225996918796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.08476776296691
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.51756294634473

n =  947
somme des inverses des racines des entiers jusqu a n =  60.102622091991066
2*sqrt(n) =  61.54673021371647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.11621545563039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.55059542520951

n =  948
somme des inverses des racines des entiers jusqu a n =  60.13510058211415
2*sqrt(n) =  61.57921727336261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.147647106207586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.58361018939011

n =  949
somme des inverses des racines des entiers jusqu a n =  60.16756195577221
2*sqrt(n) =  61.61168720299745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.17906273948752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.61660726720241

n =  950
somme des inverses des racines des entiers jusqu a n =  60.20000623999836
2*sqrt(n) =  61.644140029689765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.210462380195175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.64958668688705

n =  951
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somme des inverses des racines des entiers jusqu a n =  60.23243346175464
2*sqrt(n) =  61.6765757804371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.241846052991704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.68254847660978

n =  952
somme des inverses des racines des entiers jusqu a n =  60.264843647932246
2*sqrt(n) =  61.70899448216605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.27321378247468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.71549266446172

n =  953
somme des inverses des racines des entiers jusqu a n =  60.29723682535183
2*sqrt(n) =  61.741396161732524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.30456559317832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.74841927845962

n =  954
somme des inverses des racines des entiers jusqu a n =  60.32961302076374
2*sqrt(n) =  61.773780845922005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.335901509573716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.78132834654615

n =  955
somme des inverses des racines des entiers jusqu a n =  60.36197226084827
2*sqrt(n) =  61.806148561449774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.36722155606904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.81421989659013

n =  956
somme des inverses des racines des entiers jusqu a n =  60.394314572215926
2*sqrt(n) =  61.83849933496123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.39852575700982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.84709395638693

n =  957
somme des inverses des racines des entiers jusqu a n =  60.42663998140769
2*sqrt(n) =  61.87083319303208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.42981413667912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.87995055365855

n =  958
somme des inverses des racines des entiers jusqu a n =  60.45894851489525
2*sqrt(n) =  61.90315016216864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.46108671929778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.91278971605406

n =  959
somme des inverses des racines des entiers jusqu a n =  60.49124019908128
2*sqrt(n) =  61.93545026880809
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.49234352902465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.9456114711498

n =  960
somme des inverses des racines des entiers jusqu a n =  60.52351506029968
2*sqrt(n) =  61.96773353931867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.52358458995679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  65.97841584644961

n =  961
somme des inverses des racines des entiers jusqu a n =  60.55577312481581
2*sqrt(n) =  62.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.55480992612971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.01120286938514
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n =  962
somme des inverses des racines des entiers jusqu a n =  60.588014418826766
2*sqrt(n) =  62.03224967708329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.58601956151758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.04397256731615

n =  963
somme des inverses des racines des entiers jusqu a n =  60.62023896846162
2*sqrt(n) =  62.0644825967316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.617213520033474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.07672496753067

n =  964
somme des inverses des racines des entiers jusqu a n =  60.652446799781664
2*sqrt(n) =  62.0966987850401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.64839182552955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.10946009724536

n =  965
somme des inverses des racines des entiers jusqu a n =  60.68463793878065
2*sqrt(n) =  62.12889826803627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.67955450179728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.14217798360575

n =  966
somme des inverses des racines des entiers jusqu a n =  60.716812411385035
2*sqrt(n) =  62.161081071680215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.71070157256769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.17487865368646

n =  967
somme des inverses des racines des entiers jusqu a n =  60.74897024345425
2*sqrt(n) =  62.19324722186485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.74183306151156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.2075621344915

n =  968
somme des inverses des racines des entiers jusqu a n =  60.78111146078091
2*sqrt(n) =  62.22539674441618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.7729489922396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.24022845295447

n =  969
somme des inverses des racines des entiers jusqu a n =  60.81323608909108
2*sqrt(n) =  62.25752966509352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.80404938830275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.2728776359389

n =  970
somme des inverses des racines des entiers jusqu a n =  60.845344154044476
2*sqrt(n) =  62.289646009589745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.83513427319232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.30550971023845

n =  971
somme des inverses des racines des entiers jusqu a n =  60.87743568123476
2*sqrt(n) =  62.321745803531535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.866203670340205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.33812470257719

n =  972
somme des inverses des racines des entiers jusqu a n =  60.909510696189734
2*sqrt(n) =  62.353829072479584
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.897257603119144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.3707226396098

n =  973
somme des inverses des racines des entiers jusqu a n =  60.94156922437161
2*sqrt(n) =  62.385895841928885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.92829609484288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.40330354792188

n =  974
somme des inverses des racines des entiers jusqu a n =  60.973611291177214
2*sqrt(n) =  62.41794613730894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.9593191687664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.4358674540302

n =  975
somme des inverses des racines des entiers jusqu a n =  61.00563692193823
2*sqrt(n) =  62.44997998398398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  52.99032684808613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.4684143843829

n =  976
somme des inverses des racines des entiers jusqu a n =  61.037646141921456
2*sqrt(n) =  62.48199740725323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.02131915594014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.50094436535977

n =  977
somme des inverses des racines des entiers jusqu a n =  61.069638976329
2*sqrt(n) =  62.51399843235114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.05229611540835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.53345742327252

n =  978
somme des inverses des racines des entiers jusqu a n =  61.10161545029856
2*sqrt(n) =  62.545983084447556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.08325774951273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.56595358436496

n =  979
somme des inverses des racines des entiers jusqu a n =  61.13357558890359
2*sqrt(n) =  62.57795138864806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.114204081217544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.59843287481331

n =  980
somme des inverses des racines des entiers jusqu a n =  61.16551941715359
2*sqrt(n) =  62.609903369994115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.1451351334295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.63089532072642

n =  981
somme des inverses des racines des entiers jusqu a n =  61.197446959994295
2*sqrt(n) =  62.6418390534633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.17605092899793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.66334094814597

n =  982
somme des inverses des racines des entiers jusqu a n =  61.229358242307924
2*sqrt(n) =  62.67375846396959
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.20695149071512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.69576978304681

n =  983
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somme des inverses des racines des entiers jusqu a n =  61.2612532889134
2*sqrt(n) =  62.70566162636353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.23783684131636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.72818185133711

n =  984
somme des inverses des racines des entiers jusqu a n =  61.29313212456657
2*sqrt(n) =  62.73754856543249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.26870700348024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.76057717885861

n =  985
somme des inverses des racines des entiers jusqu a n =  61.32499477396043
2*sqrt(n) =  62.76941930590086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.29956199982877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.7929557913869

n =  986
somme des inverses des racines des entiers jusqu a n =  61.35684126172535
2*sqrt(n) =  62.80127387243033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.33040185292769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.82531771463164

n =  987
somme des inverses des racines des entiers jusqu a n =  61.38867161242931
2*sqrt(n) =  62.83311228962003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.36122658528655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.85766297423677

n =  988
somme des inverses des racines des entiers jusqu a n =  61.4204858505781
2*sqrt(n) =  62.864934582006846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.39203621935898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.88999159578077

n =  989
somme des inverses des racines des entiers jusqu a n =  61.45228400061555
2*sqrt(n) =  62.89674077406555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.422830777542835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.9223036047769

n =  990
somme des inverses des racines des entiers jusqu a n =  61.48406608692373
2*sqrt(n) =  62.928530890209096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.453610282180456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.9545990266734

n =  991
somme des inverses des racines des entiers jusqu a n =  61.515832133823224
2*sqrt(n) =  62.960304954788775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.48437475555878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  66.98687788685376

n =  992
somme des inverses des racines des entiers jusqu a n =  61.547582165573274
2*sqrt(n) =  62.99206299209449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.515124219909616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.01914021063692

n =  993
somme des inverses des racines des entiers jusqu a n =  61.57931620637204
2*sqrt(n) =  63.02380502635492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.54585869740975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.0513860232775
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n =  994
somme des inverses des racines des entiers jusqu a n =  61.61103428035682
2*sqrt(n) =  63.05553108173778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.576578210181204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.08361534996607

n =  995
somme des inverses des racines des entiers jusqu a n =  61.64273641160423
2*sqrt(n) =  63.08724118235002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.60728278029143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.11582821582931

n =  996
somme des inverses des racines des entiers jusqu a n =  61.67442262413046
2*sqrt(n) =  63.118935352238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.6379724297534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.14802464593029

n =  997
somme des inverses des racines des entiers jusqu a n =  61.706092941891434
2*sqrt(n) =  63.150613615387776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.66864718052594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.18020466526869

n =  998
somme des inverses des racines des entiers jusqu a n =  61.73774738878308
2*sqrt(n) =  63.182275995725256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.69930705451379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.21236829878099

n =  999
somme des inverses des racines des entiers jusqu a n =  61.769385988641496
2*sqrt(n) =  63.21392251711643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.72995207356787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.2445155713407

n =  1000
somme des inverses des racines des entiers jusqu a n =  61.80100876524318
2*sqrt(n) =  63.245553203367585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.760582259485446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.27664650775864

n =  1001
somme des inverses des racines des entiers jusqu a n =  61.83261574230523
2*sqrt(n) =  63.2771680782255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.79119763401028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.3087611327831

n =  1002
somme des inverses des racines des entiers jusqu a n =  61.864206943485556
2*sqrt(n) =  63.30876716537765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.82179821883284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.34085947110005

n =  1003
somme des inverses des racines des entiers jusqu a n =  61.89578239238309
2*sqrt(n) =  63.340350488452465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.852384035590525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.37294154733343

n =  1004
somme des inverses des racines des entiers jusqu a n =  61.92734211253798
2*sqrt(n) =  63.37191807101944
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.88295510586776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.40500738604527

n =  1005
somme des inverses des racines des entiers jusqu a n =  61.9588861274318
2*sqrt(n) =  63.40346993658943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.91351145119625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.43705701173602

n =  1006
somme des inverses des racines des entiers jusqu a n =  61.99041446048778
2*sqrt(n) =  63.43500610861482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.94405309305513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.46909044884465

n =  1007
somme des inverses des racines des entiers jusqu a n =  62.02192713507094
2*sqrt(n) =  63.46652661048972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  53.974580052871154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.501107721749

n =  1008
somme des inverses des racines des entiers jusqu a n =  62.05342417448838
2*sqrt(n) =  63.49803146555018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.00509235201886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.53310885476583

n =  1009
somme des inverses des racines des entiers jusqu a n =  62.084905601989405
2*sqrt(n) =  63.52952069707436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.03559001182075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.56509387215117

n =  1010
somme des inverses des racines des entiers jusqu a n =  62.11637144076578
2*sqrt(n) =  63.56099432828282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.06607305354751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.59706279810047

n =  1011
somme des inverses des racines des entiers jusqu a n =  62.147821713951906
2*sqrt(n) =  63.592452382338585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.09654149841811
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.62901565674882

n =  1012
somme des inverses des racines des entiers jusqu a n =  62.179256444625004
2*sqrt(n) =  63.623894882347464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.12699536760005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.66095247217116

n =  1013
somme des inverses des racines des entiers jusqu a n =  62.21067565580534
2*sqrt(n) =  63.655321851358195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.15743468220951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.69287326838253

n =  1014
somme des inverses des racines des entiers jusqu a n =  62.2420793704564
2*sqrt(n) =  63.686733312362634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.187859463311504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.7247780693382

n =  1015
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somme des inverses des racines des entiers jusqu a n =  62.27346761148512
2*sqrt(n) =  63.71812928829596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.218269731920074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.7566668989339

n =  1016
somme des inverses des racines des entiers jusqu a n =  62.30484040174203
2*sqrt(n) =  63.74950980203691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.24866550899848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.78853978100612

n =  1017
somme des inverses des racines des entiers jusqu a n =  62.33619776402148
2*sqrt(n) =  63.7808748764079
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.27904681545934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.82039673933218

n =  1018
somme des inverses des racines des entiers jusqu a n =  62.36753972106184
2*sqrt(n) =  63.812224534175265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.309413672164794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.8522377976305

n =  1019
somme des inverses des racines des entiers jusqu a n =  62.39886629554567
2*sqrt(n) =  63.84355879804947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.33976609992674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.88406297956082

n =  1020
somme des inverses des racines des entiers jusqu a n =  62.43017751009993
2*sqrt(n) =  63.874877690685246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.37010411950693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.9158723087244

n =  1021
somme des inverses des racines des entiers jusqu a n =  62.46147338729615
2*sqrt(n) =  63.90618123468183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.400427751617165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.94766580866415

n =  1022
somme des inverses des racines des entiers jusqu a n =  62.49275394965065
2*sqrt(n) =  63.93746945258312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.43073701691947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  67.97944350286494

n =  1023
somme des inverses des racines des entiers jusqu a n =  62.524019219624684
2*sqrt(n) =  63.968742366877905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.461031936026274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.01120541475372

n =  1024
somme des inverses des racines des entiers jusqu a n =  62.555269219624684
2*sqrt(n) =  64.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.49131252950055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.04295156769972

n =  1025
somme des inverses des racines des entiers jusqu a n =  62.586503972002404
2*sqrt(n) =  64.03124237432849
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.521578817855975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.07468198501473
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n =  1026
somme des inverses des racines des entiers jusqu a n =  62.617723499055124
2*sqrt(n) =  64.06246951218786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.55183082155714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.10639668995321

n =  1027
somme des inverses des racines des entiers jusqu a n =  62.648927823025836
2*sqrt(n) =  64.09368143584827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.58206856101971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.13809570571254

n =  1028
somme des inverses des racines des entiers jusqu a n =  62.68011696610343
2*sqrt(n) =  64.1248781675256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.61229205661048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.16977905543314

n =  1029
somme des inverses des racines des entiers jusqu a n =  62.71129095042286
2*sqrt(n) =  64.15605972938177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.64250132864772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.20144676219878

n =  1030
somme des inverses des racines des entiers jusqu a n =  62.742449798065344
2*sqrt(n) =  64.18722614352485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.67269639740117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.2330988490367

n =  1031
somme des inverses des racines des entiers jusqu a n =  62.77359353105856
2*sqrt(n) =  64.21837743200929
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.70287728309233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.26473533891776

n =  1032
somme des inverses des racines des entiers jusqu a n =  62.804722171376795
2*sqrt(n) =  64.24951361683604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.73304400589453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.29635625475679

n =  1033
somme des inverses des racines des entiers jusqu a n =  62.83583574094115
2*sqrt(n) =  64.28063471995279
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.763196585933144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.3279616194126

n =  1034
somme des inverses des racines des entiers jusqu a n =  62.866934261619704
2*sqrt(n) =  64.31174076325411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.79333504328573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.35955145568829

n =  1035
somme des inverses des racines des entiers jusqu a n =  62.89801775522771
2*sqrt(n) =  64.34283176858165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.82345939798218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.39112578633137

n =  1036
somme des inverses des racines des entiers jusqu a n =  62.92908624352777
2*sqrt(n) =  64.37390775772433
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.853569670004894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.42268463403403

n =  1037
somme des inverses des racines des entiers jusqu a n =  62.96013974823
2*sqrt(n) =  64.40496875241847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.88366587928894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.45422802143322

n =  1038
somme des inverses des racines des entiers jusqu a n =  62.99117829099221
2*sqrt(n) =  64.43601477434805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.913748045722215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.48575597111096

n =  1039
somme des inverses des racines des entiers jusqu a n =  63.022201893420096
2*sqrt(n) =  64.4670458451448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.943816189145565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.5172685055944

n =  1040
somme des inverses des racines des entiers jusqu a n =  63.0532105770674
2*sqrt(n) =  64.4980619863884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  54.97387032935297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.54876564735609

n =  1041
somme des inverses des racines des entiers jusqu a n =  63.084204363436086
2*sqrt(n) =  64.52906321960671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.00391048609174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.5802474188142

n =  1042
somme des inverses des racines des entiers jusqu a n =  63.11518327397653
2*sqrt(n) =  64.5600495662759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.03393667906258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.61171384233255

n =  1043
somme des inverses des racines des entiers jusqu a n =  63.14614733008766
2*sqrt(n) =  64.59102104782058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.0639489279198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.64316494022096

n =  1044
somme des inverses des racines des entiers jusqu a n =  63.17709655311717
2*sqrt(n) =  64.62197768561404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.093947252271455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.67460073473532

n =  1045
somme des inverses des racines des entiers jusqu a n =  63.208030964361654
2*sqrt(n) =  64.65291950097846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.12393167167954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.7060212480779

n =  1046
somme des inverses des racines des entiers jusqu a n =  63.23895058506681
2*sqrt(n) =  64.68384651518491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.15390220566004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.73742650239734

n =  1047
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somme des inverses des racines des entiers jusqu a n =  63.269855436427584
2*sqrt(n) =  64.71475874945375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.183858873683214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.76881651978901

n =  1048
somme des inverses des racines des entiers jusqu a n =  63.30074553958834
2*sqrt(n) =  64.74565622495459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.21380169517359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.80019132229508

n =  1049
somme des inverses des racines des entiers jusqu a n =  63.331620915643065
2*sqrt(n) =  64.77653896280658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.243730689510286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.83155093190473

n =  1050
somme des inverses des racines des entiers jusqu a n =  63.362481585635486
2*sqrt(n) =  64.8074069840786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.273645876027025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.86289537055438

n =  1051
somme des inverses des racines des entiers jusqu a n =  63.393327570559265
2*sqrt(n) =  64.8382603097893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.30354727401235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.89422466012778

n =  1052
somme des inverses des racines des entiers jusqu a n =  63.424158891358175
2*sqrt(n) =  64.86909896090742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.33343490270976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.92553882245625

n =  1053
somme des inverses des racines des entiers jusqu a n =  63.454975568926244
2*sqrt(n) =  64.89992295835181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.36330878131783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.9568378793188

n =  1054
somme des inverses des racines des entiers jusqu a n =  63.48577762410793
2*sqrt(n) =  64.9307323229917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.39316892899039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  68.98812185244235

n =  1055
somme des inverses des racines des entiers jusqu a n =  63.51656507769829
2*sqrt(n) =  64.96152707564686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.42301536483669
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.01939076350193

n =  1056
somme des inverses des racines des entiers jusqu a n =  63.54733795044312
2*sqrt(n) =  64.99230723708769
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.452848107921476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.05064463412079

n =  1057
somme des inverses des racines des entiers jusqu a n =  63.578096263039164
2*sqrt(n) =  65.02307282803544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.4826671772652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.08188348587055
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n =  1058
somme des inverses des racines des entiers jusqu a n =  63.60884003613423
2*sqrt(n) =  65.05382386916237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.51247259184412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.11310734027148

n =  1059
somme des inverses des racines des entiers jusqu a n =  63.63956929032738
2*sqrt(n) =  65.08456038109192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.54226437059051
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.14431621879261

n =  1060
somme des inverses des racines des entiers jusqu a n =  63.67028404616908
2*sqrt(n) =  65.11528238439882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.57204253239271
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.17551014285188

n =  1061
somme des inverses des racines des entiers jusqu a n =  63.700984324161354
2*sqrt(n) =  65.14598989960932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.601807096095335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.20668913381631

n =  1062
somme des inverses des racines des entiers jusqu a n =  63.73167014475796
2*sqrt(n) =  65.1766829472013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.63155808049941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.23785321300224

n =  1063
somme des inverses des racines des entiers jusqu a n =  63.76234152836455
2*sqrt(n) =  65.20736154760442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.66129550436247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.2690024016754

n =  1064
somme des inverses des racines des entiers jusqu a n =  63.7929984953388
2*sqrt(n) =  65.23802572120036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.691019386398764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.30013672105115

n =  1065
somme des inverses des racines des entiers jusqu a n =  63.82364106599059
2*sqrt(n) =  65.26867548832288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.72072974527936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.33125619229465

n =  1066
somme des inverses des racines des entiers jusqu a n =  63.85426926058218
2*sqrt(n) =  65.29931086925804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.75042659963224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.36236083652092

n =  1067
somme des inverses des racines des entiers jusqu a n =  63.88488309932831
2*sqrt(n) =  65.3299318842443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.780109968042545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.39345067479518

n =  1068
somme des inverses des racines des entiers jusqu a n =  63.915482602396416
2*sqrt(n) =  65.36053855347276
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.80977986905262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.42452572813283

n =  1069
somme des inverses des racines des entiers jusqu a n =  63.94606778990675
2*sqrt(n) =  65.39113089708727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.83943632116222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.45558601749978

n =  1070
somme des inverses des racines des entiers jusqu a n =  63.976638681932535
2*sqrt(n) =  65.4217089351845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.86907934282854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.48663156381247

n =  1071
somme des inverses des racines des entiers jusqu a n =  64.00719529850014
2*sqrt(n) =  65.45227268781429
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.898708952466535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.51766238793816

n =  1072
somme des inverses des racines des entiers jusqu a n =  64.03773765958921
2*sqrt(n) =  65.4828221749796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.92832516844885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.54867851069497

n =  1073
somme des inverses des racines des entiers jusqu a n =  64.06826578513285
2*sqrt(n) =  65.5133574166368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.95792800910609
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.57967995285213

n =  1074
somme des inverses des racines des entiers jusqu a n =  64.09877969501773
2*sqrt(n) =  65.54387843269576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  55.98751749272695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.61066673513017

n =  1075
somme des inverses des racines des entiers jusqu a n =  64.12927940908425
2*sqrt(n) =  65.57438524302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.01709363755824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.64163887820088

n =  1076
somme des inverses des racines des entiers jusqu a n =  64.15976494712673
2*sqrt(n) =  65.60487786742691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.04665646180518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.67259640268777

n =  1077
somme des inverses des racines des entiers jusqu a n =  64.19023632889353
2*sqrt(n) =  65.63535632568775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.07620598363136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.70353932916595

n =  1078
somme des inverses des racines des entiers jusqu a n =  64.22069357408719
2*sqrt(n) =  65.66582063752801
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.10574222115907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.73446767816247

n =  1079
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somme des inverses des racines des entiers jusqu a n =  64.25113670236459
2*sqrt(n) =  65.69627082262737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.135265192469234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.76538147015643

n =  1080
somme des inverses des racines des entiers jusqu a n =  64.2815657333371
2*sqrt(n) =  65.72670690061993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.16477491560166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.79628072557905

n =  1081
somme des inverses des racines des entiers jusqu a n =  64.31198068657072
2*sqrt(n) =  65.75712889109438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.194271408555174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.82716546481399

n =  1082
somme des inverses des racines des entiers jusqu a n =  64.34238158158624
2*sqrt(n) =  65.7875368135941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.223754689287674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.8580357081973

n =  1083
somme des inverses des racines des entiers jusqu a n =  64.37276843785938
2*sqrt(n) =  65.81793068761733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.25322477571634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.88889147601782

n =  1084
somme des inverses des racines des entiers jusqu a n =  64.40314127482091
2*sqrt(n) =  65.84831053261732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.282681685717726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.91973278851711

n =  1085
somme des inverses des racines des entiers jusqu a n =  64.43350011185686
2*sqrt(n) =  65.87867636800242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.312125437127854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.9505596658897

n =  1086
somme des inverses des racines des entiers jusqu a n =  64.46384496830858
2*sqrt(n) =  65.90902821313632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.34155604774244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  69.98137212828325

n =  1087
somme des inverses des racines des entiers jusqu a n =  64.49417586347295
2*sqrt(n) =  65.93936608733814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.37097353531693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.01217019579875

n =  1088
somme des inverses des racines des entiers jusqu a n =  64.52449281660249
2*sqrt(n) =  65.96969000988257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.40037791756668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.0429538884905

n =  1089
somme des inverses des racines des entiers jusqu a n =  64.55479584690552
2*sqrt(n) =  66.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.42976921216704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.07372322636648
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n =  1090
somme des inverses des racines des entiers jusqu a n =  64.58508497354629
2*sqrt(n) =  66.03029607687671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.45914743675352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.1044782293883

n =  1091
somme des inverses des racines des entiers jusqu a n =  64.61536021564513
2*sqrt(n) =  66.06057825965497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.4885126089219
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.1352189174715

n =  1092
somme des inverses des racines des entiers jusqu a n =  64.64562159227856
2*sqrt(n) =  66.09084656743322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.51786474622836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.16594531048564

n =  1093
somme des inverses des racines des entiers jusqu a n =  64.6758691224795
2*sqrt(n) =  66.12110101926616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.54720386618962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.19665742825443

n =  1094
somme des inverses des racines des entiers jusqu a n =  64.70610282523734
2*sqrt(n) =  66.15134163416491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.57652998628298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.22735529055586

n =  1095
somme des inverses des racines des entiers jusqu a n =  64.73632271949812
2*sqrt(n) =  66.18156843109719
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.605843123946585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.25803891712249

n =  1096
somme des inverses des racines des entiers jusqu a n =  64.76652882416462
2*sqrt(n) =  66.2117814289874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.63514329657943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.28870832764137

n =  1097
somme des inverses des racines des entiers jusqu a n =  64.79672115809659
2*sqrt(n) =  66.24198064671678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.664430521541554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.3193635417544

n =  1098
somme des inverses des racines des entiers jusqu a n =  64.82689974011076
2*sqrt(n) =  66.27216610312357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.69370481615409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.3500045790583

n =  1099
somme des inverses des racines des entiers jusqu a n =  64.8570645889811
2*sqrt(n) =  66.3023378170031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.722966197699485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.38063145910492

n =  1100
somme des inverses des racines des entiers jusqu a n =  64.88721572343889
2*sqrt(n) =  66.332495807108
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.75221468342154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.41124420140123

n =  1101
somme des inverses des racines des entiers jusqu a n =  64.91735316217283
2*sqrt(n) =  66.36264009214823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.78145029052554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.44184282540957

n =  1102
somme des inverses des racines des entiers jusqu a n =  64.94747692382927
2*sqrt(n) =  66.39277069079132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.810673036178464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.47242735054775

n =  1103
somme des inverses des racines des entiers jusqu a n =  64.97758702701225
2*sqrt(n) =  66.42288762166245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.839882937508946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.5029977961892

n =  1104
somme des inverses des racines des entiers jusqu a n =  65.0076834902837
2*sqrt(n) =  66.4529909033446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.86908001160756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.53355418166312

n =  1105
somme des inverses des racines des entiers jusqu a n =  65.0377663321635
2*sqrt(n) =  66.48308055437865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.89826427552679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.56409652625457

n =  1106
somme des inverses des racines des entiers jusqu a n =  65.06783557112972
2*sqrt(n) =  66.51315659326356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.927435746281276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.59462484920469

n =  1107
somme des inverses des racines des entiers jusqu a n =  65.09789122561864
2*sqrt(n) =  66.5432190384565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.95659444084786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.6251391697108

n =  1108
somme des inverses des racines des entiers jusqu a n =  65.12793331402494
2*sqrt(n) =  66.57326790837296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  56.98574037616572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.65563950692656

n =  1109
somme des inverses des racines des entiers jusqu a n =  65.15796185470185
2*sqrt(n) =  66.60330322138685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.01487356913648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.68612587996203

n =  1110
somme des inverses des racines des entiers jusqu a n =  65.18797686596123
2*sqrt(n) =  66.63332499583073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.04399403662435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.71659830788391

n =  1111
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somme des inverses des racines des entiers jusqu a n =  65.21797836607374
2*sqrt(n) =  66.66333324999583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.073101795456196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.74705680971564

n =  1112
somme des inverses des racines des entiers jusqu a n =  65.24796637326894
2*sqrt(n) =  66.69332800213226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.10219686242173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.77750140443752

n =  1113
somme des inverses des racines des entiers jusqu a n =  65.27794090573545
2*sqrt(n) =  66.7233092704491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.13127925427356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.80793211098687

n =  1114
somme des inverses des racines des entiers jusqu a n =  65.30790198162104
2*sqrt(n) =  66.75327707311455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.16034898772731
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.83834894825816

n =  1115
somme des inverses des racines des entiers jusqu a n =  65.33784961903282
2*sqrt(n) =  66.783231428256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.18940607946178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.8687519351031

n =  1116
somme des inverses des racines des entiers jusqu a n =  65.36778383603729
2*sqrt(n) =  66.81317235396027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.21845054611901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.89914109033089

n =  1117
somme des inverses des racines des entiers jusqu a n =  65.39770465066051
2*sqrt(n) =  66.84309986827361
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.24748240430441
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.92951643270821

n =  1118
somme des inverses des racines des entiers jusqu a n =  65.42761208088824
2*sqrt(n) =  66.87301398920195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.2765016705869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.95987798095946

n =  1119
somme des inverses des racines des entiers jusqu a n =  65.45750614466604
2*sqrt(n) =  66.90291473471092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.305508361498994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  70.99022575376688

n =  1120
somme des inverses des racines des entiers jusqu a n =  65.4873868598994
2*sqrt(n) =  66.93280212272605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.3345024935369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.02055976977061

n =  1121
somme des inverses des racines des entiers jusqu a n =  65.51725424445388
2*sqrt(n) =  66.96267617113283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.363484083160664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.0508800475689
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n =  1122
somme des inverses des racines des entiers jusqu a n =  65.5471083161552
2*sqrt(n) =  66.9925368977769
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.39245314679426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.08118660571822

n =  1123
somme des inverses des racines des entiers jusqu a n =  65.57694909278942
2*sqrt(n) =  67.02238432046416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.42140970082571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.11147946273337

n =  1124
somme des inverses des racines des entiers jusqu a n =  65.60677659210302
2*sqrt(n) =  67.05221845696084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.450353761607204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.14175863708766

n =  1125
somme des inverses des racines des entiers jusqu a n =  65.63659083180302
2*sqrt(n) =  67.08203932499369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.47928534545516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.17202414721294

n =  1126
somme des inverses des racines des entiers jusqu a n =  65.66639182955713
2*sqrt(n) =  67.11184694225007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.508204468650426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.20227601149988

n =  1127
somme des inverses des racines des entiers jusqu a n =  65.69617960299385
2*sqrt(n) =  67.14164132637808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.5371111474383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.23251424829796

n =  1128
somme des inverses des racines des entiers jusqu a n =  65.72595416970262
2*sqrt(n) =  67.17142249498666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.56600539802865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.26273887591566

n =  1129
somme des inverses des racines des entiers jusqu a n =  65.7557155472339
2*sqrt(n) =  67.20119046564577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.5948872365961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.29294991262059

n =  1130
somme des inverses des racines des entiers jusqu a n =  65.78546375309934
2*sqrt(n) =  67.23094525588644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.62375667928005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.32314737663962

n =  1131
somme des inverses des racines des entiers jusqu a n =  65.81519880477184
2*sqrt(n) =  67.26068688320095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.652613742184826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.353331286159

n =  1132
somme des inverses des racines des entiers jusqu a n =  65.84492071968573
2*sqrt(n) =  67.29041536504289
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.68145844137976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.38350165932445

n =  1133
somme des inverses des racines des entiers jusqu a n =  65.87462951523685
2*sqrt(n) =  67.32013071882734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.710290792899336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.41365851424135

n =  1134
somme des inverses des racines des entiers jusqu a n =  65.90432520878267
2*sqrt(n) =  67.34983296193094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.73911081274324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.44380186897479

n =  1135
somme des inverses des racines des entiers jusqu a n =  65.93400781764244
2*sqrt(n) =  67.37952211169207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.76791851687656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.47393174154982

n =  1136
somme des inverses des racines des entiers jusqu a n =  65.96367735909729
2*sqrt(n) =  67.40919818541087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.796713921229774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.50404814995142

n =  1137
somme des inverses des racines des entiers jusqu a n =  65.99333385039031
2*sqrt(n) =  67.43886120034946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.825497041698924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.53415111212473

n =  1138
somme des inverses des racines des entiers jusqu a n =  66.02297730872675
2*sqrt(n) =  67.468511173732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.85426789414572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.56424064597513

n =  1139
somme des inverses des racines des entiers jusqu a n =  66.05260775127405
2*sqrt(n) =  67.49814812274482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.88302649439764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.5943167693684

n =  1140
somme des inverses des racines des entiers jusqu a n =  66.08222519516201
2*sqrt(n) =  67.52777206453653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.91177285824799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.6243795001308

n =  1141
somme des inverses des racines des entiers jusqu a n =  66.11182965748287
2*sqrt(n) =  67.55738301621814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.94050700145606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.65442885604918

n =  1142
somme des inverses des racines des entiers jusqu a n =  66.14142115529148
2*sqrt(n) =  67.58698099486321
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.96922893974725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.68446485487118

n =  1143
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somme des inverses des racines des entiers jusqu a n =  66.17099970560535
2*sqrt(n) =  67.61656601750786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  57.99793868881305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.71448751430526

n =  1144
somme des inverses des racines des entiers jusqu a n =  66.20056532540481
2*sqrt(n) =  67.64613810115105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.02663626431131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.74449685202092

n =  1145
somme des inverses des racines des entiers jusqu a n =  66.23011803163308
2*sqrt(n) =  67.67569726275453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.05532168186618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.7744928856487

n =  1146
somme des inverses des racines des entiers jusqu a n =  66.25965784119646
2*sqrt(n) =  67.70524351924303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.08399495706834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.80447563278037

n =  1147
somme des inverses des racines des entiers jusqu a n =  66.28918477096433
2*sqrt(n) =  67.7347768875044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.11265610547502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.83444511096907

n =  1148
somme des inverses des racines des entiers jusqu a n =  66.31869883776938
2*sqrt(n) =  67.76429738438966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.14130514261015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.86440133772942

n =  1149
somme des inverses des racines des entiers jusqu a n =  66.34820005840763
2*sqrt(n) =  67.79380502671317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.169942083964415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.89434433053755

n =  1150
somme des inverses des racines des entiers jusqu a n =  66.37768844963861
2*sqrt(n) =  67.82329983125268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.198566944995385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.92427410683132

n =  1151
somme des inverses des racines des entiers jusqu a n =  66.40716402818542
2*sqrt(n) =  67.85278181474949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.22717974112761
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.95419068401043

n =  1152
somme des inverses des racines des entiers jusqu a n =  66.43662681073486
2*sqrt(n) =  67.88225099390856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.255780487752716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  71.98409407943647

n =  1153
somme des inverses des racines des entiers jusqu a n =  66.46607681393755
2*sqrt(n) =  67.91170738539859
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.28436920022953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.01398431043312
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n =  1154
somme des inverses des racines des entiers jusqu a n =  66.49551405440802
2*sqrt(n) =  67.94115100585212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.31294589388407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.04386139428614

n =  1155
somme des inverses des racines des entiers jusqu a n =  66.52493854872485
2*sqrt(n) =  67.97058187186572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.341510584009825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.07372534824366

n =  1156
somme des inverses des racines des entiers jusqu a n =  66.55435031343073
2*sqrt(n) =  68.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.37006328586767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.10357618951616

n =  1157
somme des inverses des racines des entiers jusqu a n =  66.58374936503263
2*sqrt(n) =  68.0294054067798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.39860401468612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.13341393527664

n =  1158
somme des inverses des racines des entiers jusqu a n =  66.61313572000184
2*sqrt(n) =  68.05879810869422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.42713278566128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.16323860266068

n =  1159
somme des inverses des racines des entiers jusqu a n =  66.64250939477414
2*sqrt(n) =  68.08817812219681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.45564961395706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.19305020876668

n =  1160
somme des inverses des racines des entiers jusqu a n =  66.67187040574987
2*sqrt(n) =  68.11754546370561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.484154514705196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.22284877065582

n =  1161
somme des inverses des racines des entiers jusqu a n =  66.70121876929406
2*sqrt(n) =  68.14690014960328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.51264750300539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.25263430535222

n =  1162
somme des inverses des racines des entiers jusqu a n =  66.7305545017365
2*sqrt(n) =  68.17624219623724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.54112859392538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.28240682984317

n =  1163
somme des inverses des racines des entiers jusqu a n =  66.75987761937189
2*sqrt(n) =  68.20557161991974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.56959780250107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.31216636107906

n =  1164
somme des inverses des racines des entiers jusqu a n =  66.78918813845992
2*sqrt(n) =  68.23488843692792
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.59805514373653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.34191291597361

n =  1165
somme des inverses des racines des entiers jusqu a n =  66.81848607522537
2*sqrt(n) =  68.26419266350405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.62650063260424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.37164651140394

n =  1166
somme des inverses des racines des entiers jusqu a n =  66.84777144585824
2*sqrt(n) =  68.2934843158555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.654934284045055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.40136716421071

n =  1167
somme des inverses des racines des entiers jusqu a n =  66.87704426651383
2*sqrt(n) =  68.32276341015489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.68335611296833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.43107489119816

n =  1168
somme des inverses des racines des entiers jusqu a n =  66.90630455331286
2*sqrt(n) =  68.35202996254024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.711766134252066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.46076970913433

n =  1169
somme des inverses des racines des entiers jusqu a n =  66.93555232234156
2*sqrt(n) =  68.38128398911503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.740164362742966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.49045163475107

n =  1170
somme des inverses des racines des entiers jusqu a n =  66.9647875896518
2*sqrt(n) =  68.41052550594829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.76855081325648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.52012068474419

n =  1171
somme des inverses des racines des entiers jusqu a n =  66.99401037126114
2*sqrt(n) =  68.43975452907469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.79692550057697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.54977687577355

n =  1172
somme des inverses des racines des entiers jusqu a n =  67.02322068315299
2*sqrt(n) =  68.46897107449476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.8252884394578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.57942022446323

n =  1173
somme des inverses des racines des entiers jusqu a n =  67.05241854127668
2*sqrt(n) =  68.49817515817483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.85363964462135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.60905074740157

n =  1174
somme des inverses des racines des entiers jusqu a n =  67.08160396154757
2*sqrt(n) =  68.52736679604726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.88197913075921
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.63866846114128

n =  1175
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somme des inverses des racines des entiers jusqu a n =  67.11077695984714
2*sqrt(n) =  68.55654600401044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.91030691253218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.66827338219957

n =  1176
somme des inverses des racines des entiers jusqu a n =  67.13993755202313
2*sqrt(n) =  68.58571279792899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.93862300457042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.69786552705827

n =  1177
somme des inverses des racines des entiers jusqu a n =  67.16908575388958
2*sqrt(n) =  68.61486719363377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.96692742147349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.7274449121639

n =  1178
somme des inverses des racines des entiers jusqu a n =  67.19822158122697
2*sqrt(n) =  68.64400920692205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  58.995220177810516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.75701155392781

n =  1179
somme des inverses des racines des entiers jusqu a n =  67.22734504978234
2*sqrt(n) =  68.67313885355759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.023501288120215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.78656546872627

n =  1180
somme des inverses des racines des entiers jusqu a n =  67.25645617526932
2*sqrt(n) =  68.70225614927067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.051770766910956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.81610667290052

n =  1181
somme des inverses des racines des entiers jusqu a n =  67.28555497336829
2*sqrt(n) =  68.73136110975832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.08002862866096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.84563518275701

n =  1182
somme des inverses des racines des entiers jusqu a n =  67.31464145972645
2*sqrt(n) =  68.76045375068433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.10827488781829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.87515101456735

n =  1183
somme des inverses des racines des entiers jusqu a n =  67.34371564995793
2*sqrt(n) =  68.78953408767936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.13650955880097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.90465418456854

n =  1184
somme des inverses des racines des entiers jusqu a n =  67.37277755964388
2*sqrt(n) =  68.81860213634101
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.164732655997064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.93414470896299

n =  1185
somme des inverses des racines des entiers jusqu a n =  67.40182720433259
2*sqrt(n) =  68.84765791223403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.192944193764795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.96362260391864
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n =  1186
somme des inverses des racines des entiers jusqu a n =  67.43086459953955
2*sqrt(n) =  68.87670143089025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.221144186432575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  72.99308788556908

n =  1187
somme des inverses des racines des entiers jusqu a n =  67.45988976074756
2*sqrt(n) =  68.90573270780887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.249332648299195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.02254057001369

n =  1188
somme des inverses des racines des entiers jusqu a n =  67.48890270340684
2*sqrt(n) =  68.93475175845634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.27750959363375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.05198067331763

n =  1189
somme des inverses des racines des entiers jusqu a n =  67.51790344293512
2*sqrt(n) =  68.96375859826666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.30567503667588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.08140821151206

n =  1190
somme des inverses des racines des entiers jusqu a n =  67.54689199471774
2*sqrt(n) =  68.99275324264136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.33382899163578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.11082320059414

n =  1191
somme des inverses des racines des entiers jusqu a n =  67.57586837410773
2*sqrt(n) =  69.02173570694958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.361971472694286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.14022565652724

n =  1192
somme des inverses des racines des entiers jusqu a n =  67.60483259642591
2*sqrt(n) =  69.05070600652827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.390102494002974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.16961559524091

n =  1193
somme des inverses des racines des entiers jusqu a n =  67.63378467696099
2*sqrt(n) =  69.07966415668217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.418222069684255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.19899303263112

n =  1194
somme des inverses des racines des entiers jusqu a n =  67.66272463096965
2*sqrt(n) =  69.10861017268398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.44633021383143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.22835798456025

n =  1195
somme des inverses des racines des entiers jusqu a n =  67.69165247367667
2*sqrt(n) =  69.13754406977442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.474426940508806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.25771046685722

n =  1196
somme des inverses des racines des entiers jusqu a n =  67.72056822027498
2*sqrt(n) =  69.16646586316233
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.50251226375175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.28705049531762

n =  1197
somme des inverses des racines des entiers jusqu a n =  67.74947188592579
2*sqrt(n) =  69.19537556802477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.5305861975668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.31637808570376

n =  1198
somme des inverses des racines des entiers jusqu a n =  67.77836348575863
2*sqrt(n) =  69.22427319950712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.55864875593173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.34569325374481

n =  1199
somme des inverses des racines des entiers jusqu a n =  67.80724303487153
2*sqrt(n) =  69.25315877272314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.58669995279562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.37499601513689

n =  1200
somme des inverses des racines des entiers jusqu a n =  67.83611054833102
2*sqrt(n) =  69.2820323027551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.61473980207901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.40428638554314

n =  1201
somme des inverses des racines des entiers jusqu a n =  67.86496604117225
2*sqrt(n) =  69.31089380465383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.64276831767384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.43356438059382

n =  1202
somme des inverses des racines des entiers jusqu a n =  67.89380952839915
2*sqrt(n) =  69.33974329343886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.670785513443704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.46283001588642

n =  1203
somme des inverses des racines des entiers jusqu a n =  67.92264102498439
2*sqrt(n) =  69.3685807840985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.698791403223815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.49208330698583

n =  1204
somme des inverses des racines des entiers jusqu a n =  67.9514605458696
2*sqrt(n) =  69.39740629158989
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.72678600082112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.52132426942427

n =  1205
somme des inverses des racines des entiers jusqu a n =  67.98026810596538
2*sqrt(n) =  69.42621983083913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.754769320014375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.5505529187015

n =  1206
somme des inverses des racines des entiers jusqu a n =  68.00906372015143
2*sqrt(n) =  69.45502141674135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.78274137455421
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.57976927028491

n =  1207
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somme des inverses des racines des entiers jusqu a n =  68.0378474032766
2*sqrt(n) =  69.48381106416083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.8107021781633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.60897333960959

n =  1208
somme des inverses des racines des entiers jusqu a n =  68.06661917015903
2*sqrt(n) =  69.51258878793107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.8386517445363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.63816514207844

n =  1209
somme des inverses des racines des entiers jusqu a n =  68.09537903558618
2*sqrt(n) =  69.54135460285484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.86659008734004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.66734469306223

n =  1210
somme des inverses des racines des entiers jusqu a n =  68.12412701431498
2*sqrt(n) =  69.57010852370435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.89451722021356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.69651200789974

n =  1211
somme des inverses des racines des entiers jusqu a n =  68.15286312107189
2*sqrt(n) =  69.59885056522126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.92243315676816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.7256671018978

n =  1212
somme des inverses des racines des entiers jusqu a n =  68.18158737055296
2*sqrt(n) =  69.62758074211685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.950337910587585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.75480999033147

n =  1213
somme des inverses des racines des entiers jusqu a n =  68.21029977742397
2*sqrt(n) =  69.65629906907199
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  59.97823149522794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.783940688444

n =  1214
somme des inverses des racines des entiers jusqu a n =  68.23900035632049
2*sqrt(n) =  69.68500556073738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.006113924217935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.8130592114471

n =  1215
somme des inverses des racines des entiers jusqu a n =  68.26768912184795
2*sqrt(n) =  69.7137002317335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.03398521105885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.84216557452082

n =  1216
somme des inverses des racines des entiers jusqu a n =  68.29636608858178
2*sqrt(n) =  69.74238309665078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.06184536922467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.87125979281383

n =  1217
somme des inverses des racines des entiers jusqu a n =  68.32503127106742
2*sqrt(n) =  69.77105417004964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.08969441216211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.9003418814434
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n =  1218
somme des inverses des racines des entiers jusqu a n =  68.35368468382048
2*sqrt(n) =  69.79971346646059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.11753235329074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.9294118554955

n =  1219
somme des inverses des racines des entiers jusqu a n =  68.38232634132679
2*sqrt(n) =  69.82836100038436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.145359206003086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.95846973002499

n =  1220
somme des inverses des racines des entiers jusqu a n =  68.41095625804248
2*sqrt(n) =  69.85699678629192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.17317498366461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  73.98751552005557

n =  1221
somme des inverses des racines des entiers jusqu a n =  68.43957444839408
2*sqrt(n) =  69.88562083862459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.20097969961388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.01654924057993

n =  1222
somme des inverses des racines des entiers jusqu a n =  68.46818092677862
2*sqrt(n) =  69.91423317179414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.228773367162596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.0455709065599

n =  1223
somme des inverses des racines des entiers jusqu a n =  68.49677570756364
2*sqrt(n) =  69.94283380018284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.25655599959566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.07458053292642

n =  1224
somme des inverses des racines des entiers jusqu a n =  68.5253588050874
2*sqrt(n) =  69.9714227381436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.284327610171324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.10357813457973

n =  1225
somme des inverses des racines des entiers jusqu a n =  68.55393023365882
2*sqrt(n) =  70.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.31208821212117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.1325637263894

n =  1226
somme des inverses des racines des entiers jusqu a n =  68.5824900075577
2*sqrt(n) =  70.02856560004639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.33983781865023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.16153732319447

n =  1227
somme des inverses des racines des entiers jusqu a n =  68.6110381410347
2*sqrt(n) =  70.05711955254797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.36757644293706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.19049893980342

n =  1228
somme des inverses des racines des entiers jusqu a n =  68.63957464831147
2*sqrt(n) =  70.08566187174092
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.395304098133835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.21944859099446

n =  1229
somme des inverses des racines des entiers jusqu a n =  68.66809954358072
2*sqrt(n) =  70.11419257183242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.423020797366384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.24838629151543

n =  1230
somme des inverses des racines des entiers jusqu a n =  68.69661284100633
2*sqrt(n) =  70.14271166700073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.45072655373426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.27731205608396

n =  1231
somme des inverses des racines des entiers jusqu a n =  68.72511455472339
2*sqrt(n) =  70.17121917139534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.47842138031088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.30622589938756

n =  1232
somme des inverses des racines des entiers jusqu a n =  68.7536046988383
2*sqrt(n) =  70.19971509913698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.506105290143516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.33512783608371

n =  1233
somme des inverses des racines des entiers jusqu a n =  68.78208328742886
2*sqrt(n) =  70.22819946431775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.53377829625341
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.36401788079992

n =  1234
somme des inverses des racines des entiers jusqu a n =  68.81055033454435
2*sqrt(n) =  70.25667228100119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.56144041163585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.39289604813385

n =  1235
somme des inverses des racines des entiers jusqu a n =  68.83900585420557
2*sqrt(n) =  70.28513356322232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.58909164926023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.42176235265335

n =  1236
somme des inverses des racines des entiers jusqu a n =  68.86744986040499
2*sqrt(n) =  70.31358332498779
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.61673202207015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.4506168088966

n =  1237
somme des inverses des racines des entiers jusqu a n =  68.8958823671068
2*sqrt(n) =  70.3420215802759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.64436154298341
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.47945943137213

n =  1238
somme des inverses des racines des entiers jusqu a n =  68.92430338824695
2*sqrt(n) =  70.37044834303673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.67198022489218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.508290234559

n =  1239
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somme des inverses des racines des entiers jusqu a n =  68.95271293773331
2*sqrt(n) =  70.39886362719217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.69958808066303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.53710923290674

n =  1240
somme des inverses des racines des entiers jusqu a n =  68.98111102944566
2*sqrt(n) =  70.42726744663604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.727185123136955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.56591644083558

n =  1241
somme des inverses des racines des entiers jusqu a n =  69.00949767723584
2*sqrt(n) =  70.45565981523414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.754771365129535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.59471187273644

n =  1242
somme des inverses des racines des entiers jusqu a n =  69.0378728949278
2*sqrt(n) =  70.48404074682438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.78234681943095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.62349554297109

n =  1243
somme des inverses des racines des entiers jusqu a n =  69.06623669631767
2*sqrt(n) =  70.51241025521678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.809911498806066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.65226746587213

n =  1244
somme des inverses des racines des entiers jusqu a n =  69.09458909517386
2*sqrt(n) =  70.54076835419359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.83746541599446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.68102765574315

n =  1245
somme des inverses des racines des entiers jusqu a n =  69.12293010523712
2*sqrt(n) =  70.5691150575094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.8650085837106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.70977612685881

n =  1246
somme des inverses des racines des entiers jusqu a n =  69.15125974022062
2*sqrt(n) =  70.59745037889117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.89254101464377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.73851289346486

n =  1247
somme des inverses des racines des entiers jusqu a n =  69.17957801381006
2*sqrt(n) =  70.6257743320383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.920062721458265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.76723796977832

n =  1248
somme des inverses des racines des entiers jusqu a n =  69.20788493966367
2*sqrt(n) =  70.65408693062278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.94757371679341
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.79595136998746

n =  1249
somme des inverses des racines des entiers jusqu a n =  69.23618053141239
2*sqrt(n) =  70.68238818828917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  60.97507401326359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.82465310825195
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n =  1250
somme des inverses des racines des entiers jusqu a n =  69.26446480265984
2*sqrt(n) =  70.71067811865476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.00256362345841
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.85334319870293

n =  1251
somme des inverses des racines des entiers jusqu a n =  69.29273776698251
2*sqrt(n) =  70.73895673530957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.03004255994266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.88202165544303

n =  1252
somme des inverses des racines des entiers jusqu a n =  69.32099943792973
2*sqrt(n) =  70.76722405181653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.05751083525648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.91068849254654

n =  1253
somme des inverses des racines des entiers jusqu a n =  69.34924982902379
2*sqrt(n) =  70.79548008171143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.08496846191536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.93934372405946

n =  1254
somme des inverses des racines des entiers jusqu a n =  69.37748895376004
2*sqrt(n) =  70.8237248385031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.112415452410225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.96798736399953

n =  1255
somme des inverses des racines des entiers jusqu a n =  69.40571682560692
2*sqrt(n) =  70.8519583356734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.139851819207514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  74.99661942635633

n =  1256
somme des inverses des racines des entiers jusqu a n =  69.43393345800607
2*sqrt(n) =  70.8801805866774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.16727757474925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.02523992509147

n =  1257
somme des inverses des racines des entiers jusqu a n =  69.46213886437239
2*sqrt(n) =  70.90839160494335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.194692731453095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.05384887413847

n =  1258
somme des inverses des racines des entiers jusqu a n =  69.49033305809412
2*sqrt(n) =  70.9365914038728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.22209730171241
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.08244628740299

n =  1259
somme des inverses des racines des entiers jusqu a n =  69.5185160525329
2*sqrt(n) =  70.96477999684069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.24949129789634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.11103217876285

n =  1260
somme des inverses des racines des entiers jusqu a n =  69.54668786102386
2*sqrt(n) =  70.9929573971954
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.276874732349874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.13960656206815

n =  1261
somme des inverses des racines des entiers jusqu a n =  69.57484849687566
2*sqrt(n) =  71.02112361825881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.30424761739389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.16816945114127

n =  1262
somme des inverses des racines des entiers jusqu a n =  69.60299797337063
2*sqrt(n) =  71.04927867332644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.33160996532528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.19672085977702

n =  1263
somme des inverses des racines des entiers jusqu a n =  69.6311363037648
2*sqrt(n) =  71.07742257566744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.35896178841695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.22526080174268

n =  1264
somme des inverses des racines des entiers jusqu a n =  69.65926350128795
2*sqrt(n) =  71.10555533852471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.38630309891791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.2537892907781

n =  1265
somme des inverses des racines des entiers jusqu a n =  69.68737957914372
2*sqrt(n) =  71.13367697511495
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.41363390905333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.28230634059575

n =  1266
somme des inverses des racines des entiers jusqu a n =  69.71548455050969
2*sqrt(n) =  71.16178749862878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.440954231024655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.31081196488084

n =  1267
somme des inverses des racines des entiers jusqu a n =  69.7435784285374
2*sqrt(n) =  71.18988692223074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.4682640770096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.3393061772913

n =  1268
somme des inverses des racines des entiers jusqu a n =  69.77166122635249
2*sqrt(n) =  71.21797525905943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.49556345916226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.36778899145801

n =  1269
somme des inverses des racines des entiers jusqu a n =  69.79973295705472
2*sqrt(n) =  71.2460525222275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.522852389613114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.39626042098469

n =  1270
somme des inverses des racines des entiers jusqu a n =  69.82779363371803
2*sqrt(n) =  71.27411872482185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.550130880469204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.42472047944815

n =  1271
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somme des inverses des racines des entiers jusqu a n =  69.85584326939069
2*sqrt(n) =  71.30217387990355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.577398943814096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.45316918039828

n =  1272
somme des inverses des racines des entiers jusqu a n =  69.88388187709529
2*sqrt(n) =  71.33021800050803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.60465659170796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.48160653735806

n =  1273
somme des inverses des racines des entiers jusqu a n =  69.91190946982886
2*sqrt(n) =  71.35825109964509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.63190383618768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.51003256382378

n =  1274
somme des inverses des racines des entiers jusqu a n =  69.93992606056288
2*sqrt(n) =  71.386273190299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.659140689266884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.53844727326505

n =  1275
somme des inverses des racines des entiers jusqu a n =  69.96793166224344
2*sqrt(n) =  71.4142842854285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.68636716293596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.56685067912476

n =  1276
somme des inverses des racines des entiers jusqu a n =  69.99592628779124
2*sqrt(n) =  71.442284397967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.713583269162264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.59524279481937

n =  1277
somme des inverses des racines des entiers jusqu a n =  70.02390995010165
2*sqrt(n) =  71.47027354082255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.74078901989001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.62362363373882

n =  1278
somme des inverses des racines des entiers jusqu a n =  70.05188266204487
2*sqrt(n) =  71.49825172687791
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.767984427040425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.65199320924664

n =  1279
somme des inverses des racines des entiers jusqu a n =  70.0798444364659
2*sqrt(n) =  71.52621896899066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.79516950251182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.68035153468009

n =  1280
somme des inverses des racines des entiers jusqu a n =  70.10779528618465
2*sqrt(n) =  71.55417527999327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.822344258179605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.7086986233501

n =  1281
somme des inverses des racines des entiers jusqu a n =  70.13573522399601
2*sqrt(n) =  71.58212067269312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.84950870589639
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.73703448854148
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n =  1282
somme des inverses des racines des entiers jusqu a n =  70.16366426266991
2*sqrt(n) =  71.61005515987263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.876662857492015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.76535914351294

n =  1283
somme des inverses des racines des entiers jusqu a n =  70.1915824149514
2*sqrt(n) =  71.63797875428926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.903806724773624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.79367260149708

n =  1284
somme des inverses des racines des entiers jusqu a n =  70.21948969356069
2*sqrt(n) =  71.66589146867567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.93094031952575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.82197487570062

n =  1285
somme des inverses des racines des entiers jusqu a n =  70.24738611119328
2*sqrt(n) =  71.69379331573968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.95806365351036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.85026597930434

n =  1286
somme des inverses des racines des entiers jusqu a n =  70.27527168051994
2*sqrt(n) =  71.72168430816443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  61.985176738466855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.8785459254632

n =  1287
somme des inverses des racines des entiers jusqu a n =  70.30314641418684
2*sqrt(n) =  71.74956445860839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.01227958611227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.90681472730645

n =  1288
somme des inverses des racines des entiers jusqu a n =  70.33101032481561
2*sqrt(n) =  71.77743377970545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.039372208141145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.93507239793759

n =  1289
somme des inverses des racines des entiers jusqu a n =  70.35886342500338
2*sqrt(n) =  71.80529228406496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.06645461622578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.96331895043456

n =  1290
somme des inverses des racines des entiers jusqu a n =  70.38670572732286
2*sqrt(n) =  71.83313998427188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.09352682201617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  75.99155439784974

n =  1291
somme des inverses des racines des entiers jusqu a n =  70.41453724432243
2*sqrt(n) =  71.86097689288673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.12058883714009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.01977875321005

n =  1292
somme des inverses des racines des entiers jusqu a n =  70.44235798852617
2*sqrt(n) =  71.88880302244571
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.14764067320317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.04799202951698

n =  1293
somme des inverses des racines des entiers jusqu a n =  70.47016797243393
2*sqrt(n) =  71.91661838546081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.17468234178895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.07619423974673

n =  1294
somme des inverses des racines des entiers jusqu a n =  70.49796720852142
2*sqrt(n) =  71.9444229944198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.20171385445896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.10438539685022

n =  1295
somme des inverses des racines des entiers jusqu a n =  70.52575570924026
2*sqrt(n) =  71.97221686178632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.22873522275269
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.13256551375314

n =  1296
somme des inverses des racines des entiers jusqu a n =  70.55353348701803
2*sqrt(n) =  72.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.25574645818779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.1607346033561

n =  1297
somme des inverses des racines des entiers jusqu a n =  70.58130055425838
2*sqrt(n) =  72.02777242147643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.28274757225999
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.18889267853464

n =  1298
somme des inverses des racines des entiers jusqu a n =  70.60905692334104
2*sqrt(n) =  72.05553413860729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.30973857644325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.2170397521393

n =  1299
somme des inverses des racines des entiers jusqu a n =  70.63680260662194
2*sqrt(n) =  72.0832851637604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.33671948218979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.24517583699568

n =  1300
somme des inverses des racines des entiers jusqu a n =  70.66453761643321
2*sqrt(n) =  72.11102550927978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.36369030093016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.2733009459046

n =  1301
somme des inverses des racines des entiers jusqu a n =  70.69226196508328
2*sqrt(n) =  72.13875518748573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.39065104407322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.30141509164197

n =  1302
somme des inverses des racines des entiers jusqu a n =  70.71997566485696
2*sqrt(n) =  72.16647421067486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.41760172300636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.32951828695911

n =  1303
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somme des inverses des racines des entiers jusqu a n =  70.74767872801549
2*sqrt(n) =  72.19418259112018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.44454234909534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.3576105445826

n =  1304
somme des inverses des racines des entiers jusqu a n =  70.77537116679657
2*sqrt(n) =  72.22188034107116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.471472933684566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.38569187721446

n =  1305
somme des inverses des racines des entiers jusqu a n =  70.80305299341448
2*sqrt(n) =  72.24956747275377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.49839348809698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.41376229753216

n =  1306
somme des inverses des racines des entiers jusqu a n =  70.8307242200601
2*sqrt(n) =  72.27724399837061
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.525304023634234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.44182181818879

n =  1307
somme des inverses des racines des entiers jusqu a n =  70.858384858901
2*sqrt(n) =  72.30490993010088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.552204551576665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.46987045181298

n =  1308
somme des inverses des racines des entiers jusqu a n =  70.88603492208146
2*sqrt(n) =  72.3325652801005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.57909508318336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.49790821100906

n =  1309
somme des inverses des racines des entiers jusqu a n =  70.9136744217226
2*sqrt(n) =  72.36021006050217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.60597562969227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.52593510835712

n =  1310
somme des inverses des racines des entiers jusqu a n =  70.94130336992238
2*sqrt(n) =  72.38784428341543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.63284620232024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.55395115641302

n =  1311
somme des inverses des racines des entiers jusqu a n =  70.96892177875569
2*sqrt(n) =  72.41546796092669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.659706812262996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.58195636770854

n =  1312
somme des inverses des racines des entiers jusqu a n =  70.99652966027439
2*sqrt(n) =  72.44308110509934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.686557470695305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.60995075475135

n =  1313
somme des inverses des racines des entiers jusqu a n =  71.02412702650743
2*sqrt(n) =  72.47068372797375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.71339818877095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.63793433002515
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n =  1314
somme des inverses des racines des entiers jusqu a n =  71.05171388946084
2*sqrt(n) =  72.49827584156743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.74022897762288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.6659071059897

n =  1315
somme des inverses des racines des entiers jusqu a n =  71.07929026111783
2*sqrt(n) =  72.52585745787498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.767049848363115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.6938690950809

n =  1316
somme des inverses des racines des entiers jusqu a n =  71.10685615343883
2*sqrt(n) =  72.55342858886821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.793860812082954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.72182030971084

n =  1317
somme des inverses des racines des entiers jusqu a n =  71.13441157836156
2*sqrt(n) =  72.58098924649622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.820661879852935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.74976076226785

n =  1318
somme des inverses des racines des entiers jusqu a n =  71.16195654780113
2*sqrt(n) =  72.60853944268538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.847453062722934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.7776904651166

n =  1319
somme des inverses des racines des entiers jusqu a n =  71.18949107365
2*sqrt(n) =  72.63607918933951
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.874234371722196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.80560943059817

n =  1320
somme des inverses des racines des entiers jusqu a n =  71.21701516777816
2*sqrt(n) =  72.6636084983398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.901005817859385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.83351767103

n =  1321
somme des inverses des racines des entiers jusqu a n =  71.24452884203309
2*sqrt(n) =  72.69112738154499
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.92776741212266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.86141519870614

n =  1322
somme des inverses des racines des entiers jusqu a n =  71.2720321082399
2*sqrt(n) =  72.71863585079137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.95451916547975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.88930202589718

n =  1323
somme des inverses des racines des entiers jusqu a n =  71.2995249782013
2*sqrt(n) =  72.74613391789285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  62.9812610888779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.91717816485033

n =  1324
somme des inverses des racines des entiers jusqu a n =  71.32700746369777
2*sqrt(n) =  72.77362159464101
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.00799319324406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.94504362778949

n =  1325
somme des inverses des racines des entiers jusqu a n =  71.3544795764875
2*sqrt(n) =  72.80109889280519
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.03471548948487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  76.97289842691534

n =  1326
somme des inverses des racines des entiers jusqu a n =  71.38194132830657
2*sqrt(n) =  72.8285658241325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.0614279884867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.0007425744054

n =  1327
somme des inverses des racines des entiers jusqu a n =  71.40939273086887
2*sqrt(n) =  72.85602240034794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.08813070111573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.02857608241403

n =  1328
somme des inverses des racines des entiers jusqu a n =  71.43683379586629
2*sqrt(n) =  72.8834686331544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.11482363821801
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.05639896307258

n =  1329
somme des inverses des racines des entiers jusqu a n =  71.4642645349687
2*sqrt(n) =  72.91090453423274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.141506810619504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.08421122848937

n =  1330
somme des inverses des racines des entiers jusqu a n =  71.49168495982406
2*sqrt(n) =  72.93833011524188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.168180229126094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.11201289074978

n =  1331
somme des inverses des racines des entiers jusqu a n =  71.5190950820584
2*sqrt(n) =  72.9657453878188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.194843904523694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.13980396191636

n =  1332
somme des inverses des racines des entiers jusqu a n =  71.54649491327596
2*sqrt(n) =  72.99315036357864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.221497847578306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.1675844540288

n =  1333
somme des inverses des racines des entiers jusqu a n =  71.57388446505921
2*sqrt(n) =  73.02054505411473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.248142069036035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.19535437910409

n =  1334
somme des inverses des racines des entiers jusqu a n =  71.60126374896888
2*sqrt(n) =  73.0479294709987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.274776579623136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.22311374913647

n =  1335
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somme des inverses des racines des entiers jusqu a n =  71.62863277654408
2*sqrt(n) =  73.07530362578044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.301401390046095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.2508625760976

n =  1336
somme des inverses des racines des entiers jusqu a n =  71.65599155930231
2*sqrt(n) =  73.10266752998827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.32801651099169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.27860087193656

n =  1337
somme des inverses des racines des entiers jusqu a n =  71.68334010873953
2*sqrt(n) =  73.13002119512889
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.35462195312695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.30632864857986

n =  1338
somme des inverses des racines des entiers jusqu a n =  71.71067843633021
2*sqrt(n) =  73.15736463268753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.38121772709937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.33404591793162

n =  1339
somme des inverses des racines des entiers jusqu a n =  71.73800655352743
2*sqrt(n) =  73.18469785412795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.40780384353678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.36175269187353

n =  1340
somme des inverses des racines des entiers jusqu a n =  71.76532447176284
2*sqrt(n) =  73.2120208708925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.434380313047555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.38944898226498

n =  1341
somme des inverses des racines des entiers jusqu a n =  71.79263220244681
2*sqrt(n) =  73.23933369440222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.46094714622055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.41713480094306

n =  1342
somme des inverses des racines des entiers jusqu a n =  71.81992975696843
2*sqrt(n) =  73.2666363360568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.487504353625184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.44481015972262

n =  1343
somme des inverses des racines des entiers jusqu a n =  71.84721714669563
2*sqrt(n) =  73.29392880723478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.514051945811545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.4724750703964

n =  1344
somme des inverses des racines des entiers jusqu a n =  71.87449438297513
2*sqrt(n) =  73.32121111929344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.54058993331034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.50012954473497

n =  1345
somme des inverses des racines des entiers jusqu a n =  71.9017614771326
2*sqrt(n) =  73.348483283569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.567118326633064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.52777359448696
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n =  1346
somme des inverses des racines des entiers jusqu a n =  71.92901844047263
2*sqrt(n) =  73.37574531137656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.593637136271894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.5554072313789

n =  1347
somme des inverses des racines des entiers jusqu a n =  71.95626528427887
2*sqrt(n) =  73.40299721401027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.62014637269991
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.58303046711545

n =  1348
somme des inverses des racines des entiers jusqu a n =  71.98350201981401
2*sqrt(n) =  73.43023900274328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.64664604637103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.6106433133794

n =  1349
somme des inverses des racines des entiers jusqu a n =  72.01072865831988
2*sqrt(n) =  73.45747068882783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.673136167720074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.6382457818317

n =  1350
somme des inverses des racines des entiers jusqu a n =  72.03794521101747
2*sqrt(n) =  73.48469228349535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.69961674716288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.66583788411158

n =  1351
somme des inverses des racines des entiers jusqu a n =  72.06515168910703
2*sqrt(n) =  73.51190379795642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.72608779509622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.69341963183652

n =  1352
somme des inverses des racines des entiers jusqu a n =  72.09234810376805
2*sqrt(n) =  73.53910524340094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.75254932189803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.72099103660238

n =  1353
somme des inverses des racines des entiers jusqu a n =  72.1195344661594
2*sqrt(n) =  73.56629663099808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.7790013379273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.74855210998346

n =  1354
somme des inverses des racines des entiers jusqu a n =  72.14671078741932
2*sqrt(n) =  73.59347797189639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.80544385352418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.7761028635325

n =  1355
somme des inverses des racines des entiers jusqu a n =  72.17387707866553
2*sqrt(n) =  73.62064927722385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.83187687901005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.80364330878075

n =  1356
somme des inverses des racines des entiers jusqu a n =  72.2010333509952
2*sqrt(n) =  73.64781055808787
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.85830042468753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.83117345723804

n =  1357
somme des inverses des racines des entiers jusqu a n =  72.2281796154851
2*sqrt(n) =  73.67496182557545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.88471450084059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.85869332039289

n =  1358
somme des inverses des racines des entiers jusqu a n =  72.25531588319157
2*sqrt(n) =  73.70210309075311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.91111911773447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.88620290971242

n =  1359
somme des inverses des racines des entiers jusqu a n =  72.28244216515061
2*sqrt(n) =  73.72923436466705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.93751428561592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.91370223664262

n =  1360
somme des inverses des racines des entiers jusqu a n =  72.30955847237794
2*sqrt(n) =  73.7563556583431
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.963900014713005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.94119131260814

n =  1361
somme des inverses des racines des entiers jusqu a n =  72.33666481586904
2*sqrt(n) =  73.78346698278686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  63.990276315235405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.9686701490126

n =  1362
somme des inverses des racines des entiers jusqu a n =  72.36376120659921
2*sqrt(n) =  73.81056834898374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.01664319737428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  77.99613875723846

n =  1363
somme des inverses des racines des entiers jusqu a n =  72.3908476555236
2*sqrt(n) =  73.83765976789893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.0430006713024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.02359714864718

n =  1364
somme des inverses des racines des entiers jusqu a n =  72.41792417357729
2*sqrt(n) =  73.86474125047755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.06934874717415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.05104533457924

n =  1365
somme des inverses des racines des entiers jusqu a n =  72.44499077167534
2*sqrt(n) =  73.89181280764467
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.09568743512561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.07848332635419

n =  1366
somme des inverses des racines des entiers jusqu a n =  72.47204746071279
2*sqrt(n) =  73.91887445030531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.12201674527458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.10591113527067

n =  1367
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somme des inverses des racines des entiers jusqu a n =  72.49909425156478
2*sqrt(n) =  73.9459261893446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.14833668772066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.13332877260657

n =  1368
somme des inverses des racines des entiers jusqu a n =  72.52613115508657
2*sqrt(n) =  73.97296803562772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.17464727254523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.16073624961896

n =  1369
somme des inverses des racines des entiers jusqu a n =  72.5531581821136
2*sqrt(n) =  74.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.20094850981155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.18813357754422

n =  1370
somme des inverses des racines des entiers jusqu a n =  72.58017534346152
2*sqrt(n) =  74.02702209328699
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.22724040956481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.21552076759806

n =  1371
somme des inverses des racines des entiers jusqu a n =  72.60718264992624
2*sqrt(n) =  74.05403432629447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.25352298183216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.24289783097562

n =  1372
somme des inverses des racines des entiers jusqu a n =  72.63418011228404
2*sqrt(n) =  74.08103670980854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.27979623662272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.27026477885146

n =  1373
somme des inverses des racines des entiers jusqu a n =  72.66116774129154
2*sqrt(n) =  74.10802925459562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.30606018392766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.29762162237961

n =  1374
somme des inverses des racines des entiers jusqu a n =  72.68814554768579
2*sqrt(n) =  74.13501197140255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.33231483372026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.32496837269369

n =  1375
somme des inverses des racines des entiers jusqu a n =  72.71511354218433
2*sqrt(n) =  74.16198487095663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.35856019595596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.35230504090696

n =  1376
somme des inverses des racines des entiers jusqu a n =  72.74207173548518
2*sqrt(n) =  74.18894796396563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.38479628057235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.37963163811227

n =  1377
somme des inverses des racines des entiers jusqu a n =  72.769020138267
2*sqrt(n) =  74.21590126111789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.41102309748925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.40694817538221
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n =  1378
somme des inverses des racines des entiers jusqu a n =  72.79595876118901
2*sqrt(n) =  74.24284477308234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.43724065660874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.43425466376914

n =  1379
somme des inverses des racines des entiers jusqu a n =  72.82288761489116
2*sqrt(n) =  74.26977851050857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.46344896781528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.46155111430522

n =  1380
somme des inverses des racines des entiers jusqu a n =  72.84980670999407
2*sqrt(n) =  74.29670248402684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.4896480409756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.48883753800246

n =  1381
somme des inverses des racines des entiers jusqu a n =  72.87671605709916
2*sqrt(n) =  74.32361670424818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.5158378859389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.51611394585282

n =  1382
somme des inverses des racines des entiers jusqu a n =  72.90361566678865
2*sqrt(n) =  74.35052118176442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.54201851253681
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.54338034882822

n =  1383
somme des inverses des racines des entiers jusqu a n =  72.93050554962565
2*sqrt(n) =  74.3774159271482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.56818993058346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.57063675788058

n =  1384
somme des inverses des racines des entiers jusqu a n =  72.95738571615418
2*sqrt(n) =  74.4043009509531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.59435214987549
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.5978831839419

n =  1385
somme des inverses des racines des entiers jusqu a n =  72.9842561768992
2*sqrt(n) =  74.43117626371358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.62050518019214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.6251196379243

n =  1386
somme des inverses des racines des entiers jusqu a n =  73.01111694236671
2*sqrt(n) =  74.45804187594514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.6466490312953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.65234613072006

n =  1387
somme des inverses des racines des entiers jusqu a n =  73.03796802304376
2*sqrt(n) =  74.48489779814429
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.67278371292946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.6795626732017

n =  1388
somme des inverses des racines des entiers jusqu a n =  73.06480942939851
2*sqrt(n) =  74.51174404078863
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.69890923482188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.706769276222

n =  1389
somme des inverses des racines des entiers jusqu a n =  73.09164117188027
2*sqrt(n) =  74.5385806143369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.72502560668255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.73396595061406

n =  1390
somme des inverses des racines des entiers jusqu a n =  73.11846326091955
2*sqrt(n) =  74.56540752922899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.75113283820426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.76115270719136

n =  1391
somme des inverses des racines des entiers jusqu a n =  73.14527570692815
2*sqrt(n) =  74.59222479588607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.77723093906263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.78832955674778

n =  1392
somme des inverses des racines des entiers jusqu a n =  73.1720785202991
2*sqrt(n) =  74.61903242471053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.80331991891616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.8154965100577

n =  1393
somme des inverses des racines des entiers jusqu a n =  73.19887171140681
2*sqrt(n) =  74.64583042608609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.82939978740629
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.84265357787599

n =  1394
somme des inverses des racines des entiers jusqu a n =  73.2256552906071
2*sqrt(n) =  74.67261881037788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.85547055415742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.86980077093811

n =  1395
somme des inverses des racines des entiers jusqu a n =  73.25242926823718
2*sqrt(n) =  74.6993975879324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.88153222877693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.89693809996012

n =  1396
somme des inverses des racines des entiers jusqu a n =  73.2791936546158
2*sqrt(n) =  74.72616676907762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.9075848208553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.92406557563878

n =  1397
somme des inverses des racines des entiers jusqu a n =  73.30594846004318
2*sqrt(n) =  74.75292636412303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.93362833996608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.9511832086515

n =  1398
somme des inverses des racines des entiers jusqu a n =  73.33269369480118
2*sqrt(n) =  74.77967638335967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.95966279566592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  78.97829100965654

n =  1399
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somme des inverses des racines des entiers jusqu a n =  73.35942936915323
2*sqrt(n) =  74.80641683706017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  64.9856881974947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.00538898929291

n =  1400
somme des inverses des racines des entiers jusqu a n =  73.38615549334448
2*sqrt(n) =  74.83314773547883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.01170455497548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.0324771581805

n =  1401
somme des inverses des racines des entiers jusqu a n =  73.41287207760173
2*sqrt(n) =  74.85986908885161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.03771187761461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.05955552692011

n =  1402
somme des inverses des racines des entiers jusqu a n =  73.43957913213362
2*sqrt(n) =  74.88658090739622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.06371017490169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.08662410609348

n =  1403
somme des inverses des racines des entiers jusqu a n =  73.46627666713051
2*sqrt(n) =  74.91328320131217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.08969945630972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.11368290626339

n =  1404
somme des inverses des racines des entiers jusqu a n =  73.4929646927647
2*sqrt(n) =  74.93997598078077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.11567973129502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.14073193797364

n =  1405
somme des inverses des racines des entiers jusqu a n =  73.51964321919031
2*sqrt(n) =  74.96665925596525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.14165100929742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.16777121174917

n =  1406
somme des inverses des racines des entiers jusqu a n =  73.54631225654344
2*sqrt(n) =  74.9933330370107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.1676132997401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.194800738096

n =  1407
somme des inverses des racines des entiers jusqu a n =  73.57297181494218
2*sqrt(n) =  75.0199973340442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.19356661202983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.2218205275014

n =  1408
somme des inverses des racines des entiers jusqu a n =  73.59962190448663
2*sqrt(n) =  75.04665215717488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.2195109555569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.24883059043387

n =  1409
somme des inverses des racines des entiers jusqu a n =  73.62626253525897
2*sqrt(n) =  75.07329751649384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.24544633969516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.27583093734317
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n =  1410
somme des inverses des racines des entiers jusqu a n =  73.65289371732354
2*sqrt(n) =  75.09993342207434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.27137277380213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.30282157866044

n =  1411
somme des inverses des racines des entiers jusqu a n =  73.67951546072679
2*sqrt(n) =  75.1265598839718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.29729026721898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.3298025247982

n =  1412
somme des inverses des racines des entiers jusqu a n =  73.70612777549741
2*sqrt(n) =  75.15317691222374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.32319882927055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.35677378615033

n =  1413
somme des inverses des racines des entiers jusqu a n =  73.73273067164632
2*sqrt(n) =  75.17978451685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.34909846926548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.38373537309226

n =  1414
somme des inverses des racines des entiers jusqu a n =  73.75932415916678
2*sqrt(n) =  75.20638270785267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.37498919649616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.41068729598092

n =  1415
somme des inverses des racines des entiers jusqu a n =  73.78590824803435
2*sqrt(n) =  75.2329714952161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.40087102023877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.43762956515477

n =  1416
somme des inverses des racines des entiers jusqu a n =  73.81248294820698
2*sqrt(n) =  75.25955088890711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.42674394975346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.46456219093395

n =  1417
somme des inverses des racines des entiers jusqu a n =  73.83904826962507
2*sqrt(n) =  75.28612089887484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.45260799428416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.49148518362017

n =  1418
somme des inverses des racines des entiers jusqu a n =  73.86560422221147
2*sqrt(n) =  75.31268153505093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.47846316305886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.51839855349697

n =  1419
somme des inverses des racines des entiers jusqu a n =  73.89215081587157
2*sqrt(n) =  75.33923280734945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.50430946528941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.54530231082947

n =  1420
somme des inverses des racines des entiers jusqu a n =  73.91868806049328
2*sqrt(n) =  75.3657747256671
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.5301469101718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.57219646586475

n =  1421
somme des inverses des racines des entiers jusqu a n =  73.94521596594714
2*sqrt(n) =  75.39230729988306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.55597550688596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.5990810288316

n =  1422
somme des inverses des racines des entiers jusqu a n =  73.97173454208634
2*sqrt(n) =  75.41883053985921
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.58179526459604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.62595600994081

n =  1423
somme des inverses des racines des entiers jusqu a n =  73.99824379874671
2*sqrt(n) =  75.44534445544006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.60760619245022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.65282141938499

n =  1424
somme des inverses des racines des entiers jusqu a n =  74.02474374574687
2*sqrt(n) =  75.47184905645283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.6334082995809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.67967726733877

n =  1425
somme des inverses des racines des entiers jusqu a n =  74.05123439288818
2*sqrt(n) =  75.49834435270749
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.65920159510475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.70652356395887

n =  1426
somme des inverses des racines des entiers jusqu a n =  74.07771574995479
2*sqrt(n) =  75.52483035399682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.68498608812259
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.73336031938393

n =  1427
somme des inverses des racines des entiers jusqu a n =  74.10418782671375
2*sqrt(n) =  75.55130707009641
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.71076178771958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.76018754373483

n =  1428
somme des inverses des racines des entiers jusqu a n =  74.130650632915
2*sqrt(n) =  75.57777451076474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.73652870296522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.78700524711451

n =  1429
somme des inverses des racines des entiers jusqu a n =  74.1571041782914
2*sqrt(n) =  75.6042326857432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.76228684291334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.81381343960813

n =  1430
somme des inverses des racines des entiers jusqu a n =  74.1835484725588
2*sqrt(n) =  75.63068160475615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.7880362166022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.84061213128312

n =  1431
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somme des inverses des racines des entiers jusqu a n =  74.20998352541606
2*sqrt(n) =  75.65712127751095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.8137768330545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.86740133218917

n =  1432
somme des inverses des racines des entiers jusqu a n =  74.23640934654514
2*sqrt(n) =  75.68355171369801
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.83950870127742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.8941810523583

n =  1433
somme des inverses des racines des entiers jusqu a n =  74.26282594561108
2*sqrt(n) =  75.7099729229908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.86523183026263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.92095130180488

n =  1434
somme des inverses des racines des entiers jusqu a n =  74.28923333226207
2*sqrt(n) =  75.73638491504595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.89094622898638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.94771209052573

n =  1435
somme des inverses des racines des entiers jusqu a n =  74.3156315161295
2*sqrt(n) =  75.76278769950325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.91665190640953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  79.9744634285001

n =  1436
somme des inverses des racines des entiers jusqu a n =  74.34202050682796
2*sqrt(n) =  75.78918128598566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.94234887147749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.00120532568974

n =  1437
somme des inverses des racines des entiers jusqu a n =  74.36840031395535
2*sqrt(n) =  75.81556568409947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.96803713312045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.02793779203897

n =  1438
somme des inverses des racines des entiers jusqu a n =  74.39477094709284
2*sqrt(n) =  75.84194090343416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  65.99371670025317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.05466083747466

n =  1439
somme des inverses des racines des entiers jusqu a n =  74.42113241580499
2*sqrt(n) =  75.86830695356264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.01938758177528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.08137447190632

n =  1440
somme des inverses des racines des entiers jusqu a n =  74.44748472963973
2*sqrt(n) =  75.8946638440411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.04504978657107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.10807870522612

n =  1441
somme des inverses des racines des entiers jusqu a n =  74.47382789812842
2*sqrt(n) =  75.92101158440923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.07070332350972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.13477354730898
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n =  1442
somme des inverses des racines des entiers jusqu a n =  74.50016193078591
2*sqrt(n) =  75.9473501841901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.09634820144521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.16145900801254

n =  1443
somme des inverses des racines des entiers jusqu a n =  74.52648683711054
2*sqrt(n) =  75.97367965289031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.12198442921644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.18813509717724

n =  1444
somme des inverses des racines des entiers jusqu a n =  74.55280262658422
2*sqrt(n) =  76.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.14761201564724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.21480182462638

n =  1445
somme des inverses des racines des entiers jusqu a n =  74.57910930867246
2*sqrt(n) =  76.02631123499285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.17323096954632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.2414592001661

n =  1446
somme des inverses des racines des entiers jusqu a n =  74.60540689282436
2*sqrt(n) =  76.05261336732617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.19884129970747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.26810723358552

n =  1447
somme des inverses des racines des entiers jusqu a n =  74.63169538847275
2*sqrt(n) =  76.07890640644094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.22444301490945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.29474593465667

n =  1448
somme des inverses des racines des entiers jusqu a n =  74.65797480503413
2*sqrt(n) =  76.10519036176179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.25003612391613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.32137531313461

n =  1449
somme des inverses des racines des entiers jusqu a n =  74.68424515190877
2*sqrt(n) =  76.13146524269712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.27562063547644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.34799537875746

n =  1450
somme des inverses des racines des entiers jusqu a n =  74.7105064384807
2*sqrt(n) =  76.15773105863909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.30119655832448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.37460614124639

n =  1451
somme des inverses des racines des entiers jusqu a n =  74.73675867411784
2*sqrt(n) =  76.18398781896364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.32676390117946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.40120761030573

n =  1452
somme des inverses des racines des entiers jusqu a n =  74.76300186817191
2*sqrt(n) =  76.2102355330306
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.35232267274586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.42779979562296

n =  1453
somme des inverses des racines des entiers jusqu a n =  74.78923602997858
2*sqrt(n) =  76.23647421018367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.3778728817134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.45438270686881

n =  1454
somme des inverses des racines des entiers jusqu a n =  74.81546116885745
2*sqrt(n) =  76.26270385975047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.40341453675701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.4809563536972

n =  1455
somme des inverses des racines des entiers jusqu a n =  74.8416772941121
2*sqrt(n) =  76.28892449104261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.42894764653701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.5075207457454

n =  1456
somme des inverses des racines des entiers jusqu a n =  74.86788441503015
2*sqrt(n) =  76.31513611335565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.45447221969903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.53407589263396

n =  1457
somme des inverses des racines des entiers jusqu a n =  74.89408254088326
2*sqrt(n) =  76.34133873596926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.47998826487407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.56062180396685

n =  1458
somme des inverses des racines des entiers jusqu a n =  74.9202716809272
2*sqrt(n) =  76.36753236814714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.50549579067854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.58715848933143

n =  1459
somme des inverses des racines des entiers jusqu a n =  74.94645184440189
2*sqrt(n) =  76.39371701913711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.53099480571433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.6136859582985

n =  1460
somme des inverses des racines des entiers jusqu a n =  74.9726230405314
2*sqrt(n) =  76.4198926981712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.55648531856882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.64020422042238

n =  1461
somme des inverses des racines des entiers jusqu a n =  74.99878527852404
2*sqrt(n) =  76.44605941446557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.58196733781487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.66671328524092

n =  1462
somme des inverses des racines des entiers jusqu a n =  75.02493856757233
2*sqrt(n) =  76.47221717722064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.60744087201093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.6932131622755

n =  1463
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somme des inverses des racines des entiers jusqu a n =  75.05108291685313
2*sqrt(n) =  76.49836599562111
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.632905929701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.71970386103118

n =  1464
somme des inverses des racines des entiers jusqu a n =  75.0772183355276
2*sqrt(n) =  76.52450587883597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.65836251941471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.74618539099659

n =  1465
somme des inverses des racines des entiers jusqu a n =  75.10334483274126
2*sqrt(n) =  76.55063683601855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.6838106496674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.77265776164414

n =  1466
somme des inverses des racines des entiers jusqu a n =  75.12946241762404
2*sqrt(n) =  76.57675887630658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.70925032896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.79912098242988

n =  1467
somme des inverses des racines des entiers jusqu a n =  75.1555710992903
2*sqrt(n) =  76.60287200882223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.73468156577925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.82557506279372

n =  1468
somme des inverses des racines des entiers jusqu a n =  75.18167088683889
2*sqrt(n) =  76.62897624267207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.76010436859761
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.85202001215929

n =  1469
somme des inverses des racines des entiers jusqu a n =  75.20776178935317
2*sqrt(n) =  76.6550715869472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.78551874587333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.87845583993413

n =  1470
somme des inverses des racines des entiers jusqu a n =  75.23384381590104
2*sqrt(n) =  76.68115805072325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.81092470605047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.90488255550964

n =  1471
somme des inverses des racines des entiers jusqu a n =  75.25991697553498
2*sqrt(n) =  76.70723564306043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.83632225755899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.93130016826115

n =  1472
somme des inverses des racines des entiers jusqu a n =  75.28598127729211
2*sqrt(n) =  76.7333043730035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.86171140881468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.9577086875479

n =  1473
somme des inverses des racines des entiers jusqu a n =  75.31203673019421
2*sqrt(n) =  76.75936424958195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.88709216821933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  80.98410812271327
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n =  1474
somme des inverses des racines des entiers jusqu a n =  75.33808334324775
2*sqrt(n) =  76.78541528180986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.91246454416058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.0104984830845

n =  1475
somme des inverses des racines des entiers jusqu a n =  75.36412112544392
2*sqrt(n) =  76.81145747868608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.93782854501217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.03687977797304

n =  1476
somme des inverses des racines des entiers jusqu a n =  75.39015008575868
2*sqrt(n) =  76.83749084919418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.96318417913378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.06325201667438

n =  1477
somme des inverses des racines des entiers jusqu a n =  75.41617023315283
2*sqrt(n) =  76.86351540230254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  66.98853145487116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.08961520846823

n =  1478
somme des inverses des racines des entiers jusqu a n =  75.44218157657197
2*sqrt(n) =  76.88953114696434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.0138703805562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.11596936261842

n =  1479
somme des inverses des racines des entiers jusqu a n =  75.46818412494659
2*sqrt(n) =  76.91553809211764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.03920096450685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.14231448837303

n =  1480
somme des inverses des racines des entiers jusqu a n =  75.4941778871921
2*sqrt(n) =  76.94153624668537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.06452321502722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.16865059496445

n =  1481
somme des inverses des racines des entiers jusqu a n =  75.52016287220883
2*sqrt(n) =  76.96752561957543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.08983714040764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.19497769160932

n =  1482
somme des inverses des racines des entiers jusqu a n =  75.54613908888213
2*sqrt(n) =  76.99350621968063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.1151427489246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.22129578750864

n =  1483
somme des inverses des racines des entiers jusqu a n =  75.57210654608235
2*sqrt(n) =  77.01947805587882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.1404400488409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.24760489184779

n =  1484
somme des inverses des racines des entiers jusqu a n =  75.59806525266491
2*sqrt(n) =  77.0454411370329
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.16572904840558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.27390501379655

n =  1485
somme des inverses des racines des entiers jusqu a n =  75.62401521747029
2*sqrt(n) =  77.07139547199077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.19100975585397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.30019616250917

n =  1486
somme des inverses des racines des entiers jusqu a n =  75.64995644932412
2*sqrt(n) =  77.09734106958553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.21628217940783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.32647834712438

n =  1487
somme des inverses des racines des entiers jusqu a n =  75.67588895703717
2*sqrt(n) =  77.12327793863537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.24154632727522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.35275157676544

n =  1488
somme des inverses des racines des entiers jusqu a n =  75.70181274940543
2*sqrt(n) =  77.14920608794364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.26680220765061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.37901586054015

n =  1489
somme des inverses des racines des entiers jusqu a n =  75.7277278352101
2*sqrt(n) =  77.17512552629896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.29204982871495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.40527120754095

n =  1490
somme des inverses des racines des entiers jusqu a n =  75.75363422321765
2*sqrt(n) =  77.20103626247513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.31728919863562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.43151762684488

n =  1491
somme des inverses des racines des entiers jusqu a n =  75.77953192217983
2*sqrt(n) =  77.22693830523129
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.34252032556655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.45775512751365

n =  1492
somme des inverses des racines des entiers jusqu a n =  75.80542094083376
2*sqrt(n) =  77.25283166331187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.36774321764817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.48398371859372

n =  1493
somme des inverses des racines des entiers jusqu a n =  75.8313012879019
2*sqrt(n) =  77.27871634544663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.39295788300744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.51020340911622

n =  1494
somme des inverses des racines des entiers jusqu a n =  75.8571729720921
2*sqrt(n) =  77.30459236035075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.418164329758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.53641420809713

n =  1495
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somme des inverses des racines des entiers jusqu a n =  75.8830360020977
2*sqrt(n) =  77.33045971672482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.44336256600003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.5626161245372

n =  1496
somme des inverses des racines des entiers jusqu a n =  75.90889038659745
2*sqrt(n) =  77.35631842325486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.46855259982044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.58880916742207

n =  1497
somme des inverses des racines des entiers jusqu a n =  75.93473613425563
2*sqrt(n) =  77.38216848861241
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.49373443929278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.61499334572221

n =  1498
somme des inverses des racines des entiers jusqu a n =  75.96057325372207
2*sqrt(n) =  77.40800992145451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.51890809247735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.64116866839308

n =  1499
somme des inverses des racines des entiers jusqu a n =  75.98640175363215
2*sqrt(n) =  77.43384273042376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.54407356742117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.66733514437506

n =  1500
somme des inverses des racines des entiers jusqu a n =  76.01222164260686
2*sqrt(n) =  77.45966692414834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.56923087215804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.69349278259348

n =  1501
somme des inverses des racines des entiers jusqu a n =  76.03803292925285
2*sqrt(n) =  77.48548251124207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.5943800147086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.71964159195879

n =  1502
somme des inverses des racines des entiers jusqu a n =  76.0638356221624
2*sqrt(n) =  77.5112895003044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.61952100308032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.74578158136643

n =  1503
somme des inverses des racines des entiers jusqu a n =  76.08962972991354
2*sqrt(n) =  77.53708789992051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.64465384526754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.77191275969699

n =  1504
somme des inverses des racines des entiers jusqu a n =  76.11541526107001
2*sqrt(n) =  77.56287771866127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.66977854925149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.79803513581616

n =  1505
somme des inverses des racines des entiers jusqu a n =  76.14119222418134
2*sqrt(n) =  77.5886589650833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.69489512300032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.82414871857478
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n =  1506
somme des inverses des racines des entiers jusqu a n =  76.16696062778284
2*sqrt(n) =  77.61443164772902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.72000357446919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.85025351680893

n =  1507
somme des inverses des racines des entiers jusqu a n =  76.19272048039569
2*sqrt(n) =  77.64019577512668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.7451039116002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.87634953933993

n =  1508
somme des inverses des racines des entiers jusqu a n =  76.21847179052692
2*sqrt(n) =  77.6659513557904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.7701961423225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.90243679497435

n =  1509
somme des inverses des racines des entiers jusqu a n =  76.24421456666947
2*sqrt(n) =  77.69169839822013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.79528027455228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.92851529250404

n =  1510
somme des inverses des racines des entiers jusqu a n =  76.26994881730222
2*sqrt(n) =  77.7174369109018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.82035631619283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.95458504070628

n =  1511
somme des inverses des racines des entiers jusqu a n =  76.29567455089001
2*sqrt(n) =  77.74316690230724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.8454242751345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  81.9806460483436

n =  1512
somme des inverses des racines des entiers jusqu a n =  76.3213917758837
2*sqrt(n) =  77.76888838089432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.87048415925486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.00669832416406

n =  1513
somme des inverses des racines des entiers jusqu a n =  76.34710050072015
2*sqrt(n) =  77.79460135510689
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.89553597641854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.03274187690107

n =  1514
somme des inverses des racines des entiers jusqu a n =  76.37280073382232
2*sqrt(n) =  77.82030583337487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.92057973447749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.05877671527357

n =  1515
somme des inverses des racines des entiers jusqu a n =  76.39849248359926
2*sqrt(n) =  77.84600182411425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.94561544127079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.08480284798598

n =  1516
somme des inverses des racines des entiers jusqu a n =  76.42417575844613
2*sqrt(n) =  77.87168933572714
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.97064310462483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.11082028372829

n =  1517
somme des inverses des racines des entiers jusqu a n =  76.44985056674427
2*sqrt(n) =  77.89736837660179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  67.99566273235327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.13682903117605

n =  1518
somme des inverses des racines des entiers jusqu a n =  76.47551691686124
2*sqrt(n) =  77.92303895511263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.02067433225706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.16282909899041

n =  1519
somme des inverses des racines des entiers jusqu a n =  76.50117481715078
2*sqrt(n) =  77.9487010796203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.04567791212453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.18882049581819

n =  1520
somme des inverses des racines des entiers jusqu a n =  76.52682427595292
2*sqrt(n) =  77.9743547584717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.07067347973138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.21480323029186

n =  1521
somme des inverses des racines des entiers jusqu a n =  76.55246530159394
2*sqrt(n) =  78.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.09566104284072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.24077731102965

n =  1522
somme des inverses des racines des entiers jusqu a n =  76.57809790238649
2*sqrt(n) =  78.02563681252464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.12064060920301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.26674274663544

n =  1523
somme des inverses des racines des entiers jusqu a n =  76.60372208662955
2*sqrt(n) =  78.05126520435142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.14561218655626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.292699545699

n =  1524
somme des inverses des racines des entiers jusqu a n =  76.62933786260848
2*sqrt(n) =  78.07688518377255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.17057578262596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.31864771679584

n =  1525
somme des inverses des racines des entiers jusqu a n =  76.65494523859506
2*sqrt(n) =  78.10249675906654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.19553140512504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.34458726848729

n =  1526
somme des inverses des racines des entiers jusqu a n =  76.68054422284752
2*sqrt(n) =  78.12809993849844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.22047906175403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.37051820932064

n =  1527
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somme des inverses des racines des entiers jusqu a n =  76.70613482361055
2*sqrt(n) =  78.15369473031969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.24541876020106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.396440547829

n =  1528
somme des inverses des racines des entiers jusqu a n =  76.73171704911539
2*sqrt(n) =  78.17928114276826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.2703505081418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.4223542925315

n =  1529
somme des inverses des racines des entiers jusqu a n =  76.75729090757977
2*sqrt(n) =  78.20485918406861
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.29527431323956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.44825945193314

n =  1530
somme des inverses des racines des entiers jusqu a n =  76.78285640720802
2*sqrt(n) =  78.23042886243178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.3201901831453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.47415603452501

n =  1531
somme des inverses des racines des entiers jusqu a n =  76.80841355619106
2*sqrt(n) =  78.2559901860554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.34509812549771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.50004404878423

n =  1532
somme des inverses des racines des entiers jusqu a n =  76.83396236270643
2*sqrt(n) =  78.2815431631237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.36999814792317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.52592350317397

n =  1533
somme des inverses des racines des entiers jusqu a n =  76.85950283491837
2*sqrt(n) =  78.30708780180757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.39489025803576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.55179440614347

n =  1534
somme des inverses des racines des entiers jusqu a n =  76.88503498097778
2*sqrt(n) =  78.33262411026456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.41977446343736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.57765676612816

n =  1535
somme des inverses des racines des entiers jusqu a n =  76.91055880902229
2*sqrt(n) =  78.35815209663893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.44465077171763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.60351059154958

n =  1536
somme des inverses des racines des entiers jusqu a n =  76.93607432717629
2*sqrt(n) =  78.38367176906169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.46951919045408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.6293558908155

n =  1537
somme des inverses des racines des entiers jusqu a n =  76.96158154355093
2*sqrt(n) =  78.40918313565064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.49437972721205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.65519267231993
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n =  1538
somme des inverses des racines des entiers jusqu a n =  76.98708046624421
2*sqrt(n) =  78.43468620451031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.51923238954473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.6810209444431

n =  1539
somme des inverses des racines des entiers jusqu a n =  77.01257110334093
2*sqrt(n) =  78.46018098373213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.54407718499326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.70684071555156

n =  1540
somme des inverses des racines des entiers jusqu a n =  77.03805346291281
2*sqrt(n) =  78.48566748139433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.56891412108666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.73265199399816

n =  1541
somme des inverses des racines des entiers jusqu a n =  77.06352755301845
2*sqrt(n) =  78.51114570556209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.59374320534198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.75845478812214

n =  1542
somme des inverses des racines des entiers jusqu a n =  77.08899338170336
2*sqrt(n) =  78.53661566428744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.61856444526417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.78424910624908

n =  1543
somme des inverses des racines des entiers jusqu a n =  77.11445095700006
2*sqrt(n) =  78.56207736560943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.64337784834628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.810034956691

n =  1544
somme des inverses des racines des entiers jusqu a n =  77.13990028692803
2*sqrt(n) =  78.587530817554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.66818342206928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.83581234774636

n =  1545
somme des inverses des racines des entiers jusqu a n =  77.16534137949377
2*sqrt(n) =  78.61297602813418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.69298117390234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.8615812877001

n =  1546
somme des inverses des racines des entiers jusqu a n =  77.19077424269084
2*sqrt(n) =  78.63841300535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.71777111130264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.88734178482368

n =  1547
somme des inverses des racines des entiers jusqu a n =  77.21619888449989
2*sqrt(n) =  78.66384175718855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.74255324171548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.91309384737508

n =  1548
somme des inverses des racines des entiers jusqu a n =  77.24161531288865
2*sqrt(n) =  78.689262291624
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.76732757257433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.93883748359883

n =  1549
somme des inverses des racines des entiers jusqu a n =  77.26702353581203
2*sqrt(n) =  78.71467461661771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.79209411130086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.96457270172614

n =  1550
somme des inverses des racines des entiers jusqu a n =  77.29242356121206
2*sqrt(n) =  78.74007874011811
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.81685286530482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  82.99029950997475

n =  1551
somme des inverses des racines des entiers jusqu a n =  77.31781539701801
2*sqrt(n) =  78.76547467006087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.84160384198434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.01601791654913

n =  1552
somme des inverses des racines des entiers jusqu a n =  77.34319905114634
2*sqrt(n) =  78.79086241436883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.86634704872567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.0417279296404

n =  1553
somme des inverses des racines des entiers jusqu a n =  77.3685745315008
2*sqrt(n) =  78.81624198095213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.89108249290345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.06742955742646

n =  1554
somme des inverses des racines des entiers jusqu a n =  77.39394184597239
2*sqrt(n) =  78.8416133777081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.91581018188052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.0931228080719

n =  1555
somme des inverses des racines des entiers jusqu a n =  77.41930100243944
2*sqrt(n) =  78.86697661252141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.94053012300809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.11880768972807

n =  1556
somme des inverses des racines des entiers jusqu a n =  77.4446520087676
2*sqrt(n) =  78.89233169326408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.96524232362574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.14448421053325

n =  1557
somme des inverses des racines des entiers jusqu a n =  77.46999487280993
2*sqrt(n) =  78.91767862779544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  68.98994679106144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.17015237861243

n =  1558
somme des inverses des racines des entiers jusqu a n =  77.49532960240684
2*sqrt(n) =  78.9430174239622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.01464353263151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.19581220207755

n =  1559
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somme des inverses des racines des entiers jusqu a n =  77.52065620538619
2*sqrt(n) =  78.96834808959854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.03933255564077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.22146368902742

n =  1560
somme des inverses des racines des entiers jusqu a n =  77.54597468956328
2*sqrt(n) =  78.99367063252599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.06401386738241
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.24710684754778

n =  1561
somme des inverses des racines des entiers jusqu a n =  77.57128506274091
2*sqrt(n) =  79.01898506055365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.08868747513822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.27274168571135

n =  1562
somme des inverses des racines des entiers jusqu a n =  77.59658733270938
2*sqrt(n) =  79.04429138147802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.11335338617839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.29836821157782

n =  1563
somme des inverses des racines des entiers jusqu a n =  77.62188150724651
2*sqrt(n) =  79.06958960308319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.13801160776171
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.32398643319392

n =  1564
somme des inverses des racines des entiers jusqu a n =  77.64716759411772
2*sqrt(n) =  79.09487973314076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.1626621471355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.34959635859339

n =  1565
somme des inverses des racines des entiers jusqu a n =  77.67244560107599
2*sqrt(n) =  79.12016177940993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.18730501153567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.37519799579705

n =  1566
somme des inverses des racines des entiers jusqu a n =  77.69771553586196
2*sqrt(n) =  79.14543574963751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.21194020818677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.40079135281289

n =  1567
somme des inverses des racines des entiers jusqu a n =  77.72297740620387
2*sqrt(n) =  79.17070165155795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.23656774430194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.42637643763595

n =  1568
somme des inverses des racines des entiers jusqu a n =  77.74823121981767
2*sqrt(n) =  79.19595949289332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.26118762708298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.4519532582485

n =  1569
somme des inverses des racines des entiers jusqu a n =  77.77347698440701
2*sqrt(n) =  79.22120928135344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.28579986372041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.47752182261995
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n =  1570
somme des inverses des racines des entiers jusqu a n =  77.79871470766327
2*sqrt(n) =  79.2464510246358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.31040446139346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.50308213870697

n =  1571
somme des inverses des racines des entiers jusqu a n =  77.82394439726556
2*sqrt(n) =  79.27168473042566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.33500142727004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.52863421445346

n =  1572
somme des inverses des racines des entiers jusqu a n =  77.84916606088083
2*sqrt(n) =  79.29691040639604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.35959076850689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.55417805779061

n =  1573
somme des inverses des racines des entiers jusqu a n =  77.8743797061638
2*sqrt(n) =  79.32212806020776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.38417249224949
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.5797136766369

n =  1574
somme des inverses des racines des entiers jusqu a n =  77.89958534075703
2*sqrt(n) =  79.3473376995095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.40874660563215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.60524107889816

n =  1575
somme des inverses des racines des entiers jusqu a n =  77.92478297229097
2*sqrt(n) =  79.37253933193772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.43331311577799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.63076027246758

n =  1576
somme des inverses des racines des entiers jusqu a n =  77.94997260838396
2*sqrt(n) =  79.39773296511683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.457872029799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.65627126522574

n =  1577
somme des inverses des racines des entiers jusqu a n =  77.97515425664226
2*sqrt(n) =  79.42291860665912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.48242335479608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.68177406504064

n =  1578
somme des inverses des racines des entiers jusqu a n =  78.00032792466006
2*sqrt(n) =  79.44809626416482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.506967097859
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.70726867976772

n =  1579
somme des inverses des racines des entiers jusqu a n =  78.02549362001953
2*sqrt(n) =  79.47326594522211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.53150326606647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.73275511724992

n =  1580
somme des inverses des racines des entiers jusqu a n =  78.05065135029086
2*sqrt(n) =  79.49842765740716
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.55603186648615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.75823338531767

n =  1581
somme des inverses des racines des entiers jusqu a n =  78.07580112303225
2*sqrt(n) =  79.52358140828417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.5805529061747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.7837034917889

n =  1582
somme des inverses des racines des entiers jusqu a n =  78.10094294578997
2*sqrt(n) =  79.54872720540537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.60506639217778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.80916544446916

n =  1583
somme des inverses des racines des entiers jusqu a n =  78.12607682609834
2*sqrt(n) =  79.57386505631105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.62957233153004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.83461925115155

n =  1584
somme des inverses des racines des entiers jusqu a n =  78.15120277147982
2*sqrt(n) =  79.5989949685296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.65407073125523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.86006491961678

n =  1585
somme des inverses des racines des entiers jusqu a n =  78.17632078944499
2*sqrt(n) =  79.62411694957753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.67856159836614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.88550245763321

n =  1586
somme des inverses des racines des entiers jusqu a n =  78.20143088749258
2*sqrt(n) =  79.64923100695951
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.70304493986472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.91093187295691

n =  1587
somme des inverses des racines des entiers jusqu a n =  78.22653307310952
2*sqrt(n) =  79.67433714816836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.72752076274196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.93635317333157

n =  1588
somme des inverses des racines des entiers jusqu a n =  78.25162735377094
2*sqrt(n) =  79.6994353806851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.75198907397802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.96176636648863

n =  1589
somme des inverses des racines des entiers jusqu a n =  78.27671373694022
2*sqrt(n) =  79.724525711979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.77644988054229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  83.98717146014735

n =  1590
somme des inverses des racines des entiers jusqu a n =  78.301792230069
2*sqrt(n) =  79.74960814950754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.80090318939327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.01256846201467

n =  1591
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somme des inverses des racines des entiers jusqu a n =  78.32686284059719
2*sqrt(n) =  79.77468270071653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.82534900747875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.03795737978541

n =  1592
somme des inverses des racines des entiers jusqu a n =  78.35192557595305
2*sqrt(n) =  79.79974937304002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.84978734173569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.06333822114217

n =  1593
somme des inverses des racines des entiers jusqu a n =  78.37698044355314
2*sqrt(n) =  79.82480817390042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.87421819909038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.08871099375544

n =  1594
somme des inverses des racines des entiers jusqu a n =  78.40202745080242
2*sqrt(n) =  79.84985911070852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.89864158645837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.1140757052836

n =  1595
somme des inverses des racines des entiers jusqu a n =  78.42706660509423
2*sqrt(n) =  79.87490219086344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.9230575107445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.1394323633729

n =  1596
somme des inverses des racines des entiers jusqu a n =  78.45209791381032
2*sqrt(n) =  79.89993742175271
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.94746597884296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.16478097565758

n =  1597
somme des inverses des racines des entiers jusqu a n =  78.47712138432088
2*sqrt(n) =  79.92496481075234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.97186699763733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.19012154975985

n =  1598
somme des inverses des racines des entiers jusqu a n =  78.50213702398459
2*sqrt(n) =  79.94998436522674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  69.99626057400053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.21545409328985

n =  1599
somme des inverses des racines des entiers jusqu a n =  78.52714484014861
2*sqrt(n) =  79.97499609252883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.02064671479488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.2407786138458

n =  1600
somme des inverses des racines des entiers jusqu a n =  78.55214484014861
2*sqrt(n) =  80.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.04502542687213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.26609511901393

n =  1601
somme des inverses des racines des entiers jusqu a n =  78.57713703130882
2*sqrt(n) =  80.02499609497022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.06939671707352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.29140361636857
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n =  1602
somme des inverses des racines des entiers jusqu a n =  78.60212142094201
2*sqrt(n) =  80.049984384758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.0937605922297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.31670411347216

n =  1603
somme des inverses des racines des entiers jusqu a n =  78.62709801634958
2*sqrt(n) =  80.0749648766704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.11811705916085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.34199661787518

n =  1604
somme des inverses des racines des entiers jusqu a n =  78.65206682482152
2*sqrt(n) =  80.09993757800315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.1424661246767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.36728113711638

n =  1605
somme des inverses des racines des entiers jusqu a n =  78.67702785363649
2*sqrt(n) =  80.12490249604052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.1668077955764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.39255767872257

n =  1606
somme des inverses des racines des entiers jusqu a n =  78.70198111006178
2*sqrt(n) =  80.14985963805552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.19114207864881
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.41782625020886

n =  1607
somme des inverses des racines des entiers jusqu a n =  78.72692660135341
2*sqrt(n) =  80.17480901130978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.21546898067227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.44308685907853

n =  1608
somme des inverses des racines des entiers jusqu a n =  78.7518643347561
2*sqrt(n) =  80.19975062305369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.23978850841478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.46833951282314

n =  1609
somme des inverses des racines des entiers jusqu a n =  78.77679431750332
2*sqrt(n) =  80.22468448052632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.26410066863394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.4935842189225

n =  1610
somme des inverses des racines des entiers jusqu a n =  78.80171655681728
2*sqrt(n) =  80.24961059095551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.288405468077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.51882098484477

n =  1611
somme des inverses des racines des entiers jusqu a n =  78.82663105990902
2*sqrt(n) =  80.2745289615579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.31270291348093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.54404981804639

n =  1612
somme des inverses des racines des entiers jusqu a n =  78.85153783397836
2*sqrt(n) =  80.29943959953893
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.33699301157236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.56927072597222

n =  1613
somme des inverses des racines des entiers jusqu a n =  78.87643688621397
2*sqrt(n) =  80.32434251209281
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.3612757690676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.59448371605541

n =  1614
somme des inverses des racines des entiers jusqu a n =  78.9013282237934
2*sqrt(n) =  80.34923770640266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.38555119267278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.61968879571761

n =  1615
somme des inverses des racines des entiers jusqu a n =  78.92621185388307
2*sqrt(n) =  80.37412518964048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.40981928908373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.64488597236885

n =  1616
somme des inverses des racines des entiers jusqu a n =  78.95108778363833
2*sqrt(n) =  80.39900496896712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.43408006498609
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.67007525340763

n =  1617
somme des inverses des racines des entiers jusqu a n =  78.97595602020343
2*sqrt(n) =  80.4238770515324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.4583335270553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.69525664622095

n =  1618
somme des inverses des racines des entiers jusqu a n =  79.0008165707116
2*sqrt(n) =  80.44874144447506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.48257968195662
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.72043015818427

n =  1619
somme des inverses des racines des entiers jusqu a n =  79.02566944228508
2*sqrt(n) =  80.47359815492284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.50681853634521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.74559579666165

n =  1620
somme des inverses des racines des entiers jusqu a n =  79.05051464203508
2*sqrt(n) =  80.49844718999243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.53105009686601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.77075356900565

n =  1621
somme des inverses des racines des entiers jusqu a n =  79.07535217706186
2*sqrt(n) =  80.52328855678958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.55527437015391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.79590348255742

n =  1622
somme des inverses des racines des entiers jusqu a n =  79.1001820544547
2*sqrt(n) =  80.54812226240907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.5794913628337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.82104554464674

n =  1623
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somme des inverses des racines des entiers jusqu a n =  79.12500428129202
2*sqrt(n) =  80.57294831393475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.60370108152016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.84617976259203

n =  1624
somme des inverses des racines des entiers jusqu a n =  79.14981886464129
2*sqrt(n) =  80.59776671843954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.62790353281792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.87130614370035

n =  1625
somme des inverses des racines des entiers jusqu a n =  79.17462581155912
2*sqrt(n) =  80.62257748298549
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.65209872332166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.8964246952674

n =  1626
somme des inverses des racines des entiers jusqu a n =  79.1994251290913
2*sqrt(n) =  80.64738061462381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.67628665961607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.92153542457768

n =  1627
somme des inverses des racines des entiers jusqu a n =  79.22421682427273
2*sqrt(n) =  80.67217612039482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.7004673482758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.94663833890434

n =  1628
somme des inverses des racines des entiers jusqu a n =  79.24900090412756
2*sqrt(n) =  80.69696400732806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.72464079586558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.9717334455093

n =  1629
somme des inverses des racines des entiers jusqu a n =  79.27377737566913
2*sqrt(n) =  80.72174428244226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.74880700894022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  84.99682075164327

n =  1630
somme des inverses des racines des entiers jusqu a n =  79.29854624590003
2*sqrt(n) =  80.7465169527454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.7729659940446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.02190026454579

n =  1631
somme des inverses des racines des entiers jusqu a n =  79.32330752181211
2*sqrt(n) =  80.77128202523468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.79711775771368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.04697199144519

n =  1632
somme des inverses des racines des entiers jusqu a n =  79.34806121038653
2*sqrt(n) =  80.79603950689662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.82126230647258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.07203593955865

n =  1633
somme des inverses des racines des entiers jusqu a n =  79.37280731859373
2*sqrt(n) =  80.820789404707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.84539964683654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.09709211609223
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n =  1634
somme des inverses des racines des entiers jusqu a n =  79.3975458533935
2*sqrt(n) =  80.84553172563095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.869529785311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.12214052824092

n =  1635
somme des inverses des racines des entiers jusqu a n =  79.42227682173497
2*sqrt(n) =  80.87026647662292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.89365272839157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.1471811831886

n =  1636
somme des inverses des racines des entiers jusqu a n =  79.44700023055668
2*sqrt(n) =  80.89499366462674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.91776848256406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.17221408810808

n =  1637
somme des inverses des racines des entiers jusqu a n =  79.47171608678654
2*sqrt(n) =  80.91971329657564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.94187705430451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.1972392501612

n =  1638
somme des inverses des racines des entiers jusqu a n =  79.49642439734191
2*sqrt(n) =  80.94442537939224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.96597845007923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.22225667649874

n =  1639
somme des inverses des racines des entiers jusqu a n =  79.52112516912959
2*sqrt(n) =  80.96912991998865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  70.99007267634482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.24726637426056

n =  1640
somme des inverses des racines des entiers jusqu a n =  79.54581840904584
2*sqrt(n) =  80.99382692526635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.0141597395481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.27226835057546

n =  1641
somme des inverses des racines des entiers jusqu a n =  79.5705041239764
2*sqrt(n) =  81.01851640211638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.03823964612629
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.29726261256141

n =  1642
somme des inverses des racines des entiers jusqu a n =  79.59518232079657
2*sqrt(n) =  81.04319835741924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.06231240250688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.32224916732542

n =  1643
somme des inverses des racines des entiers jusqu a n =  79.61985300637114
2*sqrt(n) =  81.06787279804497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.08637801510771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.3472280219636

n =  1644
somme des inverses des racines des entiers jusqu a n =  79.64451618755449
2*sqrt(n) =  81.09253973085318
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.11043649033705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.37219918356124

n =  1645
somme des inverses des racines des entiers jusqu a n =  79.66917187119057
2*sqrt(n) =  81.11719916269298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.13448783459351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.39716265919272

n =  1646
somme des inverses des racines des entiers jusqu a n =  79.69382006411293
2*sqrt(n) =  81.14185110040317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.15853205426616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.42211845592168

n =  1647
somme des inverses des racines des entiers jusqu a n =  79.71846077314474
2*sqrt(n) =  81.1664955508121
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.18256915573447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.44706658080092

n =  1648
somme des inverses des racines des entiers jusqu a n =  79.74309400509885
2*sqrt(n) =  81.19113252073775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.20659914536834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.47200704087246

n =  1649
somme des inverses des racines des entiers jusqu a n =  79.76771976677774
2*sqrt(n) =  81.21576201698781
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.23062202952822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.49693984316761

n =  1650
somme des inverses des racines des entiers jusqu a n =  79.7923380649736
2*sqrt(n) =  81.24038404635961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.25463781456499
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.52186499470692

n =  1651
somme des inverses des racines des entiers jusqu a n =  79.81694890646835
2*sqrt(n) =  81.26499861564018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.27864650682005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.54678250250024

n =  1652
somme des inverses des racines des entiers jusqu a n =  79.8415522980336
2*sqrt(n) =  81.2896057316063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.30264811262538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.57169237354675

n =  1653
somme des inverses des racines des entiers jusqu a n =  79.86614824643077
2*sqrt(n) =  81.3142054010245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.32664263830347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.596594614835

n =  1654
somme des inverses des racines des entiers jusqu a n =  79.89073675841101
2*sqrt(n) =  81.33879763065102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.35063009016739
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.62148923334283

n =  1655
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somme des inverses des racines des entiers jusqu a n =  79.9153178407153
2*sqrt(n) =  81.36338242723197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.37461047452081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.64637623603754

n =  1656
somme des inverses des racines des entiers jusqu a n =  79.93989150007445
2*sqrt(n) =  81.38795979750321
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.39858379765802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.67125562987582

n =  1657
somme des inverses des racines des entiers jusqu a n =  79.9644577432091
2*sqrt(n) =  81.41252974819048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.42255006586392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.69612742180375

n =  1658
somme des inverses des racines des entiers jusqu a n =  79.98901657682973
2*sqrt(n) =  81.43709228600933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.4465092854141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.72099161875694

n =  1659
somme des inverses des racines des entiers jusqu a n =  80.01356800763674
2*sqrt(n) =  81.4616474176652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.47046146257476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.74584822766042

n =  1660
somme des inverses des racines des entiers jusqu a n =  80.03811204232042
2*sqrt(n) =  81.48619514985344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.49440660360285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.77069725542873

n =  1661
somme des inverses des racines des entiers jusqu a n =  80.06264868756102
2*sqrt(n) =  81.51073548925933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.51834471474604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.79553870896598

n =  1662
somme des inverses des racines des entiers jusqu a n =  80.0871779500287
2*sqrt(n) =  81.53526844255803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.54227580224264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.82037259516572

n =  1663
somme des inverses des racines des entiers jusqu a n =  80.11169983638361
2*sqrt(n) =  81.55979401641473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.5661998723218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.84519892091119

n =  1664
somme des inverses des racines des entiers jusqu a n =  80.13621435327588
2*sqrt(n) =  81.58431221748455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.5901169312034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.87001769307513

n =  1665
somme des inverses des racines des entiers jusqu a n =  80.16072150734567
2*sqrt(n) =  81.60882305241266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.61402698509812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.89482891851993
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n =  1666
somme des inverses des racines des entiers jusqu a n =  80.18522130522317
2*sqrt(n) =  81.6333265278342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.63793004020742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.91963260409759

n =  1667
somme des inverses des racines des entiers jusqu a n =  80.20971375352862
2*sqrt(n) =  81.65782265037441
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.66182610272362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.9444287566498

n =  1668
somme des inverses des racines des entiers jusqu a n =  80.23419885887233
2*sqrt(n) =  81.68231142664855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.68571517882987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.9692173830079

n =  1669
somme des inverses des racines des entiers jusqu a n =  80.25867662785474
2*sqrt(n) =  81.70679286326198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.70959727470014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  85.99399848999289

n =  1670
somme des inverses des racines des entiers jusqu a n =  80.28314706706637
2*sqrt(n) =  81.7312669668102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.7334723964994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.01877208441559

n =  1671
somme des inverses des racines des entiers jusqu a n =  80.30761018308787
2*sqrt(n) =  81.75573374387878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.75734055038339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.04353817307647

n =  1672
somme des inverses des racines des entiers jusqu a n =  80.3320659824901
2*sqrt(n) =  81.78019320104349
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.78120174249885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.06829676276581

n =  1673
somme des inverses des racines des entiers jusqu a n =  80.35651447183406
2*sqrt(n) =  81.80464534487024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.80505597898342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.09304786026364

n =  1674
somme des inverses des racines des entiers jusqu a n =  80.38095565767095
2*sqrt(n) =  81.82909018191513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.82890326596572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.11779147233985

n =  1675
somme des inverses des racines des entiers jusqu a n =  80.40538954654221
2*sqrt(n) =  81.8535277187245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.85274360956534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.14252760575407

n =  1676
somme des inverses des racines des entiers jusqu a n =  80.42981614497951
2*sqrt(n) =  81.87795796183488
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.87657701589286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.1672562672559

n =  1677
somme des inverses des racines des entiers jusqu a n =  80.45423545950479
2*sqrt(n) =  81.90238091777309
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.90040349104989
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.19197746358469

n =  1678
somme des inverses des racines des entiers jusqu a n =  80.47864749663024
2*sqrt(n) =  81.92679659305617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.92422304112903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.21669120146974

n =  1679
somme des inverses des racines des entiers jusqu a n =  80.50305226285842
2*sqrt(n) =  81.95120499419151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.94803567221398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.24139748763028

n =  1680
somme des inverses des racines des entiers jusqu a n =  80.52744976468213
2*sqrt(n) =  81.97560612767678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.97184139037948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.26609632877543

n =  1681
somme des inverses des racines des entiers jusqu a n =  80.55184000858458
2*sqrt(n) =  82.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  71.99564020169139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.2907877316043

n =  1682
somme des inverses des racines des entiers jusqu a n =  80.57622300103928
2*sqrt(n) =  82.02438661763951
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.01943211220662
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.31547170280595

n =  1683
somme des inverses des racines des entiers jusqu a n =  80.60059874851018
2*sqrt(n) =  82.04876598706406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.04321712797326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.34014824905945

n =  1684
somme des inverses des racines des entiers jusqu a n =  80.62496725745162
2*sqrt(n) =  82.07313811473277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.0669952550305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.3648173770339

n =  1685
somme des inverses des racines des entiers jusqu a n =  80.64932853430832
2*sqrt(n) =  82.09750300709517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.09076649940872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.3894790933884

n =  1686
somme des inverses des racines des entiers jusqu a n =  80.6736825855155
2*sqrt(n) =  82.12186067059123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.11453086712943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.41413340477213

n =  1687
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somme des inverses des racines des entiers jusqu a n =  80.69802941749879
2*sqrt(n) =  82.1462111116514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.13828836420544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.43878031782438

n =  1688
somme des inverses des racines des entiers jusqu a n =  80.72236903667435
2*sqrt(n) =  82.17055433669655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.16203899664066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.4634198391745

n =  1689
somme des inverses des racines des entiers jusqu a n =  80.74670144944882
2*sqrt(n) =  82.19489035213807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.18578277043028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.48805197544198

n =  1690
somme des inverses des racines des entiers jusqu a n =  80.77102666221934
2*sqrt(n) =  82.21921916437786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.20951969156074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.51267673323642

n =  1691
somme des inverses des racines des entiers jusqu a n =  80.79534468137363
2*sqrt(n) =  82.24354077980836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.23324976600978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.53729411915764

n =  1692
somme des inverses des racines des entiers jusqu a n =  80.81965551328994
2*sqrt(n) =  82.26785520481253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.25697299974637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.56190413979562

n =  1693
somme des inverses des racines des entiers jusqu a n =  80.84395916433712
2*sqrt(n) =  82.29216244576394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.2806893987308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.5865068017305

n =  1694
somme des inverses des racines des entiers jusqu a n =  80.86825564087461
2*sqrt(n) =  82.3164625090267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.30439896891471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.6111021115327

n =  1695
somme des inverses des racines des entiers jusqu a n =  80.89254494925247
2*sqrt(n) =  82.3407554009556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.32810171624105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.63569007576287

n =  1696
somme des inverses des racines des entiers jusqu a n =  80.9168270958114
2*sqrt(n) =  82.365041127896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.35179764664416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.66027070097192

n =  1697
somme des inverses des racines des entiers jusqu a n =  80.94110208688275
2*sqrt(n) =  82.38931969618392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.37548676604969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.68484399370102
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n =  1698
somme des inverses des racines des entiers jusqu a n =  80.96536992878856
2*sqrt(n) =  82.41359111214607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.39916908037478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.70940996048171

n =  1699
somme des inverses des racines des entiers jusqu a n =  80.98963062784156
2*sqrt(n) =  82.4378553820998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.42284459552786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.73396860783576

n =  1700
somme des inverses des racines des entiers jusqu a n =  81.0138841903452
2*sqrt(n) =  82.46211251235322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.44651331740891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.75851994227537

n =  1701
somme des inverses des racines des entiers jusqu a n =  81.03813062259364
2*sqrt(n) =  82.48636250920512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.47017525190927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.78306397030305

n =  1702
somme des inverses des racines des entiers jusqu a n =  81.06236993087182
2*sqrt(n) =  82.51060537894507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.49383040491176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.80760069841173

n =  1703
somme des inverses des racines des entiers jusqu a n =  81.08660212145546
2*sqrt(n) =  82.5348411278534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.51747878229071
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.83213013308473

n =  1704
somme des inverses des racines des entiers jusqu a n =  81.11082720061103
2*sqrt(n) =  82.55906976220118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.54112038991192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.8566522807958

n =  1705
somme des inverses des racines des entiers jusqu a n =  81.13504517459585
2*sqrt(n) =  82.58329128825031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.5647552336327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.88116714800911

n =  1706
somme des inverses des racines des entiers jusqu a n =  81.15925604965805
2*sqrt(n) =  82.60750571225353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.58838331930191
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.90567474117934

n =  1707
somme des inverses des racines des entiers jusqu a n =  81.18345983203663
2*sqrt(n) =  82.63171304045439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.61200465275995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.9301750667516

n =  1708
somme des inverses des racines des entiers jusqu a n =  81.20765652796142
2*sqrt(n) =  82.6559132790873
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.63561923983879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.95466813116155

n =  1709
somme des inverses des racines des entiers jusqu a n =  81.23184614365316
2*sqrt(n) =  82.68010643437755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.65922708636197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  86.97915394083535

n =  1710
somme des inverses des racines des entiers jusqu a n =  81.25602868532349
2*sqrt(n) =  82.70429251254133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.68282819814463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.00363250218967

n =  1711
somme des inverses des racines des entiers jusqu a n =  81.28020415917497
2*sqrt(n) =  82.72847151978574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.70642258099355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.02810382163183

n =  1712
somme des inverses des racines des entiers jusqu a n =  81.30437257140112
2*sqrt(n) =  82.75264346230881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.73001024070713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.05256790555966

n =  1713
somme des inverses des racines des entiers jusqu a n =  81.32853392818637
2*sqrt(n) =  82.7768083462995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.75359118307539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.07702476036155

n =  1714
somme des inverses des racines des entiers jusqu a n =  81.3526882357062
2*sqrt(n) =  82.80096617793781
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.77716541388008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.10147439241666

n =  1715
somme des inverses des racines des entiers jusqu a n =  81.37683550012702
2*sqrt(n) =  82.82511696339462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.80073293889458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.12591680809463

n =  1716
somme des inverses des racines des entiers jusqu a n =  81.40097572760628
2*sqrt(n) =  82.84926070883192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.82429376388401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.15035201375586

n =  1717
somme des inverses des racines des entiers jusqu a n =  81.42510892429247
2*sqrt(n) =  82.87339742040264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.84784789460517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.17478001575137

n =  1718
somme des inverses des racines des entiers jusqu a n =  81.44923509632514
2*sqrt(n) =  82.89752710425083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.87139533680663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.19920082042292

n =  1719
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somme des inverses des racines des entiers jusqu a n =  81.47335424983488
2*sqrt(n) =  82.92164976651152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.89493609622868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.22361443410294

n =  1720
somme des inverses des racines des entiers jusqu a n =  81.4974663909434
2*sqrt(n) =  82.94576541331088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.91847017860339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.24802086311462

n =  1721
somme des inverses des racines des entiers jusqu a n =  81.52157152576349
2*sqrt(n) =  82.96987405076617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.94199758965463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.27242011377193

n =  1722
somme des inverses des racines des entiers jusqu a n =  81.54566966039908
2*sqrt(n) =  82.99397568498571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.96551833509804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.29681219237955

n =  1723
somme des inverses des racines des entiers jusqu a n =  81.56976080094525
2*sqrt(n) =  83.01807032206904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  72.98903242064111
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.321197105233

n =  1724
somme des inverses des racines des entiers jusqu a n =  81.5938449534882
2*sqrt(n) =  83.04215796810678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.01253985198315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.34557485861859

n =  1725
somme des inverses des racines des entiers jusqu a n =  81.61792212410535
2*sqrt(n) =  83.06623862918075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.0360406348153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.36994545881348

n =  1726
somme des inverses des racines des entiers jusqu a n =  81.6419923188653
2*sqrt(n) =  83.09031231136396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.05953477482059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.39430891208565

n =  1727
somme des inverses des racines des entiers jusqu a n =  81.66605554382788
2*sqrt(n) =  83.11437902072059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.08302227767392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.41866522469392

n =  1728
somme des inverses des racines des entiers jusqu a n =  81.69011180504411
2*sqrt(n) =  83.13843876330611
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.10650314904211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.44301440288811

n =  1729
somme des inverses des racines des entiers jusqu a n =  81.71416110855631
2*sqrt(n) =  83.16249154516716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.12997739458388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.4673564529088
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n =  1730
somme des inverses des racines des entiers jusqu a n =  81.73820346039803
2*sqrt(n) =  83.18653737234169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.15344501994987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.4916913809876

n =  1731
somme des inverses des racines des entiers jusqu a n =  81.76223886659412
2*sqrt(n) =  83.21057625085888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.17690603078267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.51601919334698

n =  1732
somme des inverses des racines des entiers jusqu a n =  81.78626733316072
2*sqrt(n) =  83.23460818673925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.20036043271688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.54033989620044

n =  1733
somme des inverses des racines des entiers jusqu a n =  81.81028886610532
2*sqrt(n) =  83.2586331859946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.223808231379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.5646534957524

n =  1734
somme des inverses des racines des entiers jusqu a n =  81.83430347142672
2*sqrt(n) =  83.28265125462805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.24724943238756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.58895999819829

n =  1735
somme des inverses des racines des entiers jusqu a n =  81.85831115511509
2*sqrt(n) =  83.30666239863412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.27068404135316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.61325940972459

n =  1736
somme des inverses des racines des entiers jusqu a n =  81.88231192315196
2*sqrt(n) =  83.33066662399864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.29411206387834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.63755173650878

n =  1737
somme des inverses des racines des entiers jusqu a n =  81.90630578151026
2*sqrt(n) =  83.35466393669883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.31753350555773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.66183698471937

n =  1738
somme des inverses des racines des entiers jusqu a n =  81.9302927361543
2*sqrt(n) =  83.37865434270333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.340948371978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.686115160516

n =  1739
somme des inverses des racines des entiers jusqu a n =  81.95427279303986
2*sqrt(n) =  83.40263784797217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.36435666871789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.71038627004931

n =  1740
somme des inverses des racines des entiers jusqu a n =  81.97824595811413
2*sqrt(n) =  83.42661445845684
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.38775840134826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.73465031946112

n =  1741
somme des inverses des racines des entiers jusqu a n =  82.00221223731576
2*sqrt(n) =  83.45058418010026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.41115357543208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.75890731488435

n =  1742
somme des inverses des racines des entiers jusqu a n =  82.0261716365749
2*sqrt(n) =  83.47454701883683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.43454219652439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.78315726244305

n =  1743
somme des inverses des racines des entiers jusqu a n =  82.05012416181317
2*sqrt(n) =  83.4985029805924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.45792427017238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.80740016825241

n =  1744
somme des inverses des racines des entiers jusqu a n =  82.0740698189437
2*sqrt(n) =  83.5224520712844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.48129980191548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.83163603841886

n =  1745
somme des inverses des racines des entiers jusqu a n =  82.09800861387116
2*sqrt(n) =  83.54639429682169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.50466879728516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.85586487903994

n =  1746
somme des inverses des racines des entiers jusqu a n =  82.12194055249175
2*sqrt(n) =  83.57032966310472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.52803126180517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.88008669620449

n =  1747
somme des inverses des racines des entiers jusqu a n =  82.14586564069324
2*sqrt(n) =  83.59425817602546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.55138720099141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.90430149599248

n =  1748
somme des inverses des racines des entiers jusqu a n =  82.169783884355
2*sqrt(n) =  83.6181798414675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.57473662035201
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.92850928447523

n =  1749
somme des inverses des racines des entiers jusqu a n =  82.19369528934794
2*sqrt(n) =  83.64209466530593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.59807952538733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.95271006771523

n =  1750
somme des inverses des racines des entiers jusqu a n =  82.21759986153464
2*sqrt(n) =  83.66600265340756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.62141592159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  87.97690385176634

n =  1751
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somme des inverses des racines des entiers jusqu a n =  82.24149760676926
2*sqrt(n) =  83.68990381163071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.64474581444486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.00109064267363

n =  1752
somme des inverses des racines des entiers jusqu a n =  82.26538853089764
2*sqrt(n) =  83.7137981458254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.66806920942906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.02527044647356

n =  1753
somme des inverses des racines des entiers jusqu a n =  82.28927263975726
2*sqrt(n) =  83.73768566183328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.69138611201205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.0494432691939

n =  1754
somme des inverses des racines des entiers jusqu a n =  82.3131499391773
2*sqrt(n) =  83.7615663654877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.71469652765558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.07360911685376

n =  1755
somme des inverses des racines des entiers jusqu a n =  82.33702043497861
2*sqrt(n) =  83.78544026261365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.73800046181368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.09776799546363

n =  1756
somme des inverses des racines des entiers jusqu a n =  82.36088413297378
2*sqrt(n) =  83.80930735902786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.7612979199328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.12191991102539

n =  1757
somme des inverses des racines des entiers jusqu a n =  82.3847410389671
2*sqrt(n) =  83.83316766053875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.78458890745165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.1460648695323

n =  1758
somme des inverses des racines des entiers jusqu a n =  82.40859115875463
2*sqrt(n) =  83.85702117294652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.8078734298014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.17020287696907

n =  1759
somme des inverses des racines des entiers jusqu a n =  82.43243449812417
2*sqrt(n) =  83.88086790204308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.83115149240552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.19433393931185

n =  1760
somme des inverses des racines des entiers jusqu a n =  82.45627106285531
2*sqrt(n) =  83.90470785361212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.85442310067992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.21845806252821

n =  1761
somme des inverses des racines des entiers jusqu a n =  82.48010085871942
2*sqrt(n) =  83.92854103342914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.87768826003294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.24257525257724
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n =  1762
somme des inverses des racines des entiers jusqu a n =  82.50392389147972
2*sqrt(n) =  83.95236744726142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.90094697586531
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.26668551540948

n =  1763
somme des inverses des racines des entiers jusqu a n =  82.52774016689119
2*sqrt(n) =  83.97618710086806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.9241992535702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.29078885696698

n =  1764
somme des inverses des racines des entiers jusqu a n =  82.55154969070071
2*sqrt(n) =  84.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.94744509853327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.31488528318336

n =  1765
somme des inverses des racines des entiers jusqu a n =  82.575352468647
2*sqrt(n) =  84.02380615040002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.97068451613262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.33897479998372

n =  1766
somme des inverses des racines des entiers jusqu a n =  82.59914850646065
2*sqrt(n) =  84.04760555780278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  73.99391751173889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.36305741328474

n =  1767
somme des inverses des racines des entiers jusqu a n =  82.62293780986414
2*sqrt(n) =  84.07139822793481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.01714409071512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.38713312899465

n =  1768
somme des inverses des racines des entiers jusqu a n =  82.64672038457186
2*sqrt(n) =  84.09518416651456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.04036425841697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.41120195301335

n =  1769
somme des inverses des racines des entiers jusqu a n =  82.67049623629013
2*sqrt(n) =  84.11896337925236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.06357802019258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.43526389123225

n =  1770
somme des inverses des racines des entiers jusqu a n =  82.6942653707172
2*sqrt(n) =  84.14273587185052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.08678538138265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.45931894953445

n =  1771
somme des inverses des racines des entiers jusqu a n =  82.71802779354329
2*sqrt(n) =  84.16650165000326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.10998634732043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.48336713379467

n =  1772
somme des inverses des racines des entiers jusqu a n =  82.74178351045056
2*sqrt(n) =  84.19026071939675
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.13318092333172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.50740844987925

n =  1773
somme des inverses des racines des entiers jusqu a n =  82.7655325271132
2*sqrt(n) =  84.2140130857092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.156369114735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.5314429036463

n =  1774
somme des inverses des racines des entiers jusqu a n =  82.78927484919735
2*sqrt(n) =  84.23775875461075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.17955092684123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.5554705009455

n =  1775
somme des inverses des racines des entiers jusqu a n =  82.81301048236124
2*sqrt(n) =  84.26149773176358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.20272636495407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.57949124761834

n =  1776
somme des inverses des racines des entiers jusqu a n =  82.83673943225504
2*sqrt(n) =  84.2852300228219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.22589543436979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.60350514949796

n =  1777
somme des inverses des racines des entiers jusqu a n =  82.86046170452106
2*sqrt(n) =  84.30895563343196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.24905814037731
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.62751221240929

n =  1778
somme des inverses des racines des entiers jusqu a n =  82.88417730479362
2*sqrt(n) =  84.33267456923205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.27221448825821
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.65151244216898

n =  1779
somme des inverses des racines des entiers jusqu a n =  82.90788623869915
2*sqrt(n) =  84.35638683585256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.29536448328673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.67550584458547

n =  1780
somme des inverses des racines des entiers jusqu a n =  82.93158851185615
2*sqrt(n) =  84.38009243891595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.31850813072982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.69949242545901

n =  1781
somme des inverses des racines des entiers jusqu a n =  82.95528412987525
2*sqrt(n) =  84.40379138403677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.34164543584711
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.72347219058159

n =  1782
somme des inverses des racines des entiers jusqu a n =  82.9789730983592
2*sqrt(n) =  84.42748367682174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.36477640389099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.7474451457371

n =  1783
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somme des inverses des racines des entiers jusqu a n =  83.00265542290292
2*sqrt(n) =  84.45116932286965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.38790104010651
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.77141129670122

n =  1784
somme des inverses des racines des entiers jusqu a n =  83.02633110909343
2*sqrt(n) =  84.4748483277715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.41101934973155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.79537064924146

n =  1785
somme des inverses des racines des entiers jusqu a n =  83.05000016250999
2*sqrt(n) =  84.49852069711044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.4341313379967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.8193232091173

n =  1786
somme des inverses des racines des entiers jusqu a n =  83.073662588724
2*sqrt(n) =  84.52218643646175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.45723701012531
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.84326898207996

n =  1787
somme des inverses des racines des entiers jusqu a n =  83.0973183932991
2*sqrt(n) =  84.545845551393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.48033637133358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.86720797387271

n =  1788
somme des inverses des racines des entiers jusqu a n =  83.12096758179112
2*sqrt(n) =  84.5694980474639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.50342942683044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.89114019023062

n =  1789
somme des inverses des racines des entiers jusqu a n =  83.14461015974814
2*sqrt(n) =  84.5931439302264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.52651618181768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.91506563688075

n =  1790
somme des inverses des racines des entiers jusqu a n =  83.1682461327105
2*sqrt(n) =  84.61678320522472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.54959664148993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.93898431954212

n =  1791
somme des inverses des racines des entiers jusqu a n =  83.19187550621078
2*sqrt(n) =  84.64041587799531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.5726708110346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.96289624392566

n =  1792
somme des inverses des racines des entiers jusqu a n =  83.21549828577385
2*sqrt(n) =  84.6640419540669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.59573869563204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  88.98680141573433

n =  1793
somme des inverses des racines des entiers jusqu a n =  83.2391144769169
2*sqrt(n) =  84.68766143896052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.61880030045539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.01069984066308
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n =  1794
somme des inverses des racines des entiers jusqu a n =  83.26272408514939
2*sqrt(n) =  84.71127433818948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.64185563067075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.03459152439885

n =  1795
somme des inverses des racines des entiers jusqu a n =  83.28632711597314
2*sqrt(n) =  84.73488065725944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.66490469143706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.05847647262063

n =  1796
somme des inverses des racines des entiers jusqu a n =  83.30992357488229
2*sqrt(n) =  84.75848040166836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.68794748790623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.08235469099944

n =  1797
somme des inverses des racines des entiers jusqu a n =  83.33351346736335
2*sqrt(n) =  84.78207357690657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.71098402522301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.10622618519834

n =  1798
somme des inverses des racines des entiers jusqu a n =  83.35709679889517
2*sqrt(n) =  84.80566018845676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.73401430852519
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.13009096087254

n =  1799
somme des inverses des racines des entiers jusqu a n =  83.38067357494903
2*sqrt(n) =  84.82924024179398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.75703834294346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.15394902366924

n =  1800
somme des inverses des racines des entiers jusqu a n =  83.40424380098858
2*sqrt(n) =  84.8528137423857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.78005613360145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.17780037922783

n =  1801
somme des inverses des racines des entiers jusqu a n =  83.4278074824699
2*sqrt(n) =  84.87638069569178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.80306768561583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.20164503317976

n =  1802
somme des inverses des racines des entiers jusqu a n =  83.45136462484147
2*sqrt(n) =  84.8999411071645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.82607300409622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.22548299114862

n =  1803
somme des inverses des racines des entiers jusqu a n =  83.47491523354427
2*sqrt(n) =  84.92349498224858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.84907209414527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.24931425875023

n =  1804
somme des inverses des racines des entiers jusqu a n =  83.49845931401167
2*sqrt(n) =  84.94704232638121
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.87206496085864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.27313884159248

n =  1805
somme des inverses des racines des entiers jusqu a n =  83.52199687166956
2*sqrt(n) =  84.970583144992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.89505160932502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.2969567452755

n =  1806
somme des inverses des racines des entiers jusqu a n =  83.5455279119363
2*sqrt(n) =  84.99411744350311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.91803204462619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.32076797539158

n =  1807
somme des inverses des racines des entiers jusqu a n =  83.56905244022278
2*sqrt(n) =  85.01764522732913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.9410062718369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.34457253752524

n =  1808
somme des inverses des racines des entiers jusqu a n =  83.59257046193237
2*sqrt(n) =  85.0411665018772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.96397429602509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.36837043725326

n =  1809
somme des inverses des racines des entiers jusqu a n =  83.61608198246098
2*sqrt(n) =  85.06468127254695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  74.98693612225166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.3921616801446

n =  1810
somme des inverses des racines des entiers jusqu a n =  83.6395870071971
2*sqrt(n) =  85.0881895447306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.00989175557073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.41594627176053

n =  1811
somme des inverses des racines des entiers jusqu a n =  83.66308554152172
2*sqrt(n) =  85.11169132381285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.03284120102944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.43972421765456

n =  1812
somme des inverses des racines des entiers jusqu a n =  83.68657759080847
2*sqrt(n) =  85.13518661517105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.05578446366813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.46349552337252

n =  1813
somme des inverses des racines des entiers jusqu a n =  83.71006316042352
2*sqrt(n) =  85.15867542417507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.07872154852022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.48726019445249

n =  1814
somme des inverses des racines des entiers jusqu a n =  83.73354225572567
2*sqrt(n) =  85.18215775618742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.10165246061234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.51101823642496

n =  1815
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somme des inverses des racines des entiers jusqu a n =  83.75701488206631
2*sqrt(n) =  85.20563361656318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.12457720496423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.53476965481265

n =  1816
somme des inverses des racines des entiers jusqu a n =  83.78048104478951
2*sqrt(n) =  85.22910301065006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.14749578658883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.55851445513068

n =  1817
somme des inverses des racines des entiers jusqu a n =  83.80394074923194
2*sqrt(n) =  85.25256594378845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.17040821049228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.58225264288653

n =  1818
somme des inverses des racines des entiers jusqu a n =  83.82739400072295
2*sqrt(n) =  85.27602242131137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.19331448167395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.60598422358008

n =  1819
somme des inverses des racines des entiers jusqu a n =  83.85084080458456
2*sqrt(n) =  85.29947244854449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.21621460512637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.62970920270355

n =  1820
somme des inverses des racines des entiers jusqu a n =  83.8742811661315
2*sqrt(n) =  85.32291603080617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.23910858583534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.65342758574158

n =  1821
somme des inverses des racines des entiers jusqu a n =  83.89771509067114
2*sqrt(n) =  85.34635317340748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.26199642877988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.67713937817128

n =  1822
somme des inverses des racines des entiers jusqu a n =  83.92114258350365
2*sqrt(n) =  85.36978388165218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.28487813893229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.70084458546214

n =  1823
somme des inverses des racines des entiers jusqu a n =  83.94456364992188
2*sqrt(n) =  85.39320816083678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.30775372125812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.7245432130761

n =  1824
somme des inverses des racines des entiers jusqu a n =  83.96797829521142
2*sqrt(n) =  85.41662601625049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.33062318071622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.74823526646762

n =  1825
somme des inverses des racines des entiers jusqu a n =  83.99138652465065
2*sqrt(n) =  85.44003745317531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.35348652225872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.7719207510836
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n =  1826
somme des inverses des racines des entiers jusqu a n =  84.0147883435107
2*sqrt(n) =  85.46344247688599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.37634375083108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.79559967236344

n =  1827
somme des inverses des racines des entiers jusqu a n =  84.03818375705549
2*sqrt(n) =  85.48684109265004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.39919487137203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.81927203573903

n =  1828
somme des inverses des racines des entiers jusqu a n =  84.06157277054174
2*sqrt(n) =  85.5102333057278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.4220398888137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.84293784663484

n =  1829
somme des inverses des racines des entiers jusqu a n =  84.08495538921899
2*sqrt(n) =  85.53361912137238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.44487880808153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.86659711046781

n =  1830
somme des inverses des racines des entiers jusqu a n =  84.1083316183296
2*sqrt(n) =  85.55699854482975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.46771163409429
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.89024983264748

n =  1831
somme des inverses des racines des entiers jusqu a n =  84.13170146310877
2*sqrt(n) =  85.58037158133867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.49053837176416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.91389601857591

n =  1832
somme des inverses des racines des entiers jusqu a n =  84.15506492878457
2*sqrt(n) =  85.60373823613078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.5133590259967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.93753567364782

n =  1833
somme des inverses des racines des entiers jusqu a n =  84.17842202057793
2*sqrt(n) =  85.62709851443059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.53617360169089
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.96116880325043

n =  1834
somme des inverses des racines des entiers jusqu a n =  84.20177274370265
2*sqrt(n) =  85.65045242145543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.55898210373903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  89.98479541276363

n =  1835
somme des inverses des racines des entiers jusqu a n =  84.22511710336543
2*sqrt(n) =  85.67379996241559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.58178453702692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.00841550755992

n =  1836
somme des inverses des racines des entiers jusqu a n =  84.2484551047659
2*sqrt(n) =  85.6971411425142
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.60458090643377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.03202909300441

n =  1837
somme des inverses des racines des entiers jusqu a n =  84.27178675309658
2*sqrt(n) =  85.72047596694736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.62737121683224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.05563617445492

n =  1838
somme des inverses des racines des entiers jusqu a n =  84.29511205354297
2*sqrt(n) =  85.74380444090407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.65015547308845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.07923675726188

n =  1839
somme des inverses des racines des entiers jusqu a n =  84.31843101128347
2*sqrt(n) =  85.76712656956627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.67293368006196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.10283084676843

n =  1840
somme des inverses des racines des entiers jusqu a n =  84.34174363148948
2*sqrt(n) =  85.79044235810886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.69570584260583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.12641844831037

n =  1841
somme des inverses des racines des entiers jusqu a n =  84.36504991932536
2*sqrt(n) =  85.81375181169973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.71847196556666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.14999956721627

n =  1842
somme des inverses des racines des entiers jusqu a n =  84.38834987994846
2*sqrt(n) =  85.83705493549974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.74123205378449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.17357420880735

n =  1843
somme des inverses des racines des entiers jusqu a n =  84.41164351850914
2*sqrt(n) =  85.86035173466273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.76398611209291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.19714237839763

n =  1844
somme des inverses des racines des entiers jusqu a n =  84.43493084015077
2*sqrt(n) =  85.88364221433555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.78673414531902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.22070408129382

n =  1845
somme des inverses des racines des entiers jusqu a n =  84.45821185000976
2*sqrt(n) =  85.90692637965812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.80947615828349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.24425932279543

n =  1846
somme des inverses des racines des entiers jusqu a n =  84.48148655321555
2*sqrt(n) =  85.93020423576334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.83221215580055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.26780810819473

n =  1847
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somme des inverses des racines des entiers jusqu a n =  84.50475495489063
2*sqrt(n) =  85.9534757877772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.85494214267796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.2913504427768

n =  1848
somme des inverses des racines des entiers jusqu a n =  84.52801706015059
2*sqrt(n) =  85.97674104081871
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.87766612371709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.31488633181952

n =  1849
somme des inverses des racines des entiers jusqu a n =  84.55127287410407
2*sqrt(n) =  86.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.90038410371288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.33841578059356

n =  1850
somme des inverses des racines des entiers jusqu a n =  84.57452240185283
2*sqrt(n) =  86.02325267042627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.92309608745391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.36193879436246

n =  1851
somme des inverses des racines des entiers jusqu a n =  84.59776564849173
2*sqrt(n) =  86.04649905719582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.94580207972233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.38545537838256

n =  1852
somme des inverses des racines des entiers jusqu a n =  84.62100261910874
2*sqrt(n) =  86.06973916540005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.96850208529393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.40896553790311

n =  1853
somme des inverses des racines des entiers jusqu a n =  84.64423331878497
2*sqrt(n) =  86.09297300012354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  75.99119610893818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.43246927816621

n =  1854
somme des inverses des racines des entiers jusqu a n =  84.66745775259469
2*sqrt(n) =  86.11620056644394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.01388415541814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.45596660440683

n =  1855
somme des inverses des racines des entiers jusqu a n =  84.69067592560532
2*sqrt(n) =  86.13942186943211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.03656622949057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.47945752185288

n =  1856
somme des inverses des racines des entiers jusqu a n =  84.71388784287745
2*sqrt(n) =  86.16263691415206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.05924233590592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.50294203572513

n =  1857
somme des inverses des racines des entiers jusqu a n =  84.73709350946487
2*sqrt(n) =  86.18584570566097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.08191247940826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.52642015123732
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n =  1858
somme des inverses des racines des entiers jusqu a n =  84.76029293041455
2*sqrt(n) =  86.20904824900923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.10457666473545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.54989187359611

n =  1859
somme des inverses des racines des entiers jusqu a n =  84.78348611076669
2*sqrt(n) =  86.23224454924039
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.12723489661896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.57335720800111

n =  1860
somme des inverses des racines des entiers jusqu a n =  84.8066730555547
2*sqrt(n) =  86.2554346113913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.14988717978406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.59681615964492

n =  1861
somme des inverses des racines des entiers jusqu a n =  84.82985376980523
2*sqrt(n) =  86.27861844049197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.17253351894972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.62026873371309

n =  1862
somme des inverses des racines des entiers jusqu a n =  84.85302825853819
2*sqrt(n) =  86.30179604156567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.19517391882866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.64371493538417

n =  1863
somme des inverses des racines des entiers jusqu a n =  84.87619652676675
2*sqrt(n) =  86.32496741962895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.21780838412737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.66715476982974

n =  1864
somme des inverses des racines des entiers jusqu a n =  84.89935857949735
2*sqrt(n) =  86.34813257969161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.24043691954607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.69058824221437

n =  1865
somme des inverses des racines des entiers jusqu a n =  84.92251442172972
2*sqrt(n) =  86.37129152675674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.26305952977883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.71401535769569

n =  1866
somme des inverses des racines des entiers jusqu a n =  84.9456640584569
2*sqrt(n) =  86.39444426582071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.28567621951342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.73743612142435

n =  1867
somme des inverses des racines des entiers jusqu a n =  84.96880749466521
2*sqrt(n) =  86.4175908018732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.30828699343148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.76085053854406

n =  1868
somme des inverses des racines des entiers jusqu a n =  84.99194473533436
2*sqrt(n) =  86.44073113989724
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.33089185620845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.78425861419163

n =  1869
somme des inverses des racines des entiers jusqu a n =  85.01507578543732
2*sqrt(n) =  86.46386528486914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.35349081251358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.80766035349691

n =  1870
somme des inverses des racines des entiers jusqu a n =  85.03820064994046
2*sqrt(n) =  86.48699324175861
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.37608386700998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.83105576158292

n =  1871
somme des inverses des racines des entiers jusqu a n =  85.06131933380351
2*sqrt(n) =  86.51011501552867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.39867102435458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.85444484356572

n =  1872
somme des inverses des racines des entiers jusqu a n =  85.08443184197957
2*sqrt(n) =  86.53323061113575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.42125228919822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.87782760455451

n =  1873
somme des inverses des racines des entiers jusqu a n =  85.1075381794151
2*sqrt(n) =  86.55634003352961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.44382766618553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.90120404965165

n =  1874
somme des inverses des racines des entiers jusqu a n =  85.13063835105001
2*sqrt(n) =  86.57944328765345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.46639715995508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.92457418395263

n =  1875
somme des inverses des racines des entiers jusqu a n =  85.15373236181759
2*sqrt(n) =  86.60254037844386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.48896077513936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.94793801254612

n =  1876
somme des inverses des racines des entiers jusqu a n =  85.17682021664457
2*sqrt(n) =  86.62563131083085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.51151851636469
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.97129554051394

n =  1877
somme des inverses des racines des entiers jusqu a n =  85.19990192045111
2*sqrt(n) =  86.64871608973787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.53407038825137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  90.99464677293112

n =  1878
somme des inverses des racines des entiers jusqu a n =  85.22297747815081
2*sqrt(n) =  86.6717947200818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.5566163954136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.0179917148659

n =  1879
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somme des inverses des racines des entiers jusqu a n =  85.24604689465075
2*sqrt(n) =  86.69486720677297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.57915654245951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.0413303713797

n =  1880
somme des inverses des racines des entiers jusqu a n =  85.26911017485146
2*sqrt(n) =  86.7179335547152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.60169083399121
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.0646627475272

n =  1881
somme des inverses des racines des entiers jusqu a n =  85.29216732364699
2*sqrt(n) =  86.74099376880577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.62421927460474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.08798884835628

n =  1882
somme des inverses des racines des entiers jusqu a n =  85.31521834592488
2*sqrt(n) =  86.76404785393545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.64674186889013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.1113086789081

n =  1883
somme des inverses des racines des entiers jusqu a n =  85.33826324656614
2*sqrt(n) =  86.78709581498853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.66925862143138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.1346222442171

n =  1884
somme des inverses des racines des entiers jusqu a n =  85.36130203044534
2*sqrt(n) =  86.81013765684283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.69176953680652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.15792954931098

n =  1885
somme des inverses des racines des entiers jusqu a n =  85.38433470243059
2*sqrt(n) =  86.83317338436964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.71427461958754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.18123059921069

n =  1886
somme des inverses des racines des entiers jusqu a n =  85.40736126738352
2*sqrt(n) =  86.85620300243386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.73677387434046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.20452539893056

n =  1887
somme des inverses des racines des entiers jusqu a n =  85.43038173015933
2*sqrt(n) =  86.87922651589389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.75926730562534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.22781395347816

n =  1888
somme des inverses des racines des entiers jusqu a n =  85.45339609560678
2*sqrt(n) =  86.90224392960172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.78175491799628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.25109626785444

n =  1889
somme des inverses des racines des entiers jusqu a n =  85.47640436856824
2*sqrt(n) =  86.92525524840292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.80423671600141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.27437234705367
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n =  1890
somme des inverses des racines des entiers jusqu a n =  85.49940655387965
2*sqrt(n) =  86.94826047713663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.82671270418294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.29764219606346

n =  1891
somme des inverses des racines des entiers jusqu a n =  85.52240265637056
2*sqrt(n) =  86.97125962063559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.84918288707713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.32090581986482

n =  1892
somme des inverses des racines des entiers jusqu a n =  85.54539268086414
2*sqrt(n) =  86.99425268372619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.87164726921436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.34416322343209

n =  1893
somme des inverses des racines des entiers jusqu a n =  85.56837663217719
2*sqrt(n) =  87.01723967122837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.89410585511905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.36741441173302

n =  1894
somme des inverses des racines des entiers jusqu a n =  85.59135451512016
2*sqrt(n) =  87.04022058795577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.91655864930975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.39065938972878

n =  1895
somme des inverses des racines des entiers jusqu a n =  85.61432633449712
2*sqrt(n) =  87.06319543871567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.93900565629914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.41389816237393

n =  1896
somme des inverses des racines des entiers jusqu a n =  85.63729209510585
2*sqrt(n) =  87.08616422830896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.961446880594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.43713073461643

n =  1897
somme des inverses des racines des entiers jusqu a n =  85.66025180173777
2*sqrt(n) =  87.10912696153027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  76.98388232669525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.46035711139777

n =  1898
somme des inverses des racines des entiers jusqu a n =  85.68320545917801
2*sqrt(n) =  87.13208364316786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.00631199909799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.48357729765279

n =  1899
somme des inverses des racines des entiers jusqu a n =  85.7061530722054
2*sqrt(n) =  87.1550342780037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.02873590229142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.50679129830984

n =  1900
somme des inverses des racines des entiers jusqu a n =  85.72909464559245
2*sqrt(n) =  87.17797887081348
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.05115404075895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.52999911829073

n =  1901
somme des inverses des racines des entiers jusqu a n =  85.75203018410544
2*sqrt(n) =  87.20091742636656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.07356641897813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.55320076251077

n =  1902
somme des inverses des racines des entiers jusqu a n =  85.77495969250434
2*sqrt(n) =  87.2238499494261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.09597304142076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.57639623587876

n =  1903
somme des inverses des racines des entiers jusqu a n =  85.79788317554289
2*sqrt(n) =  87.24677644474895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.1183739125528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.59958554329701

n =  1904
somme des inverses des racines des entiers jusqu a n =  85.8208006379686
2*sqrt(n) =  87.26969691708571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.1407690368344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.62276868966136

n =  1905
somme des inverses des racines des entiers jusqu a n =  85.84371208452272
2*sqrt(n) =  87.29261137118078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.16315841871999
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.64594567986119

n =  1906
somme des inverses des racines des entiers jusqu a n =  85.86661751994029
2*sqrt(n) =  87.31551981177229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.18554206265814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.66911651877936

n =  1907
somme des inverses des racines des entiers jusqu a n =  85.88951694895015
2*sqrt(n) =  87.33842224359219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.20791997309178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.6922812112924

n =  1908
somme des inverses des racines des entiers jusqu a n =  85.91241037627492
2*sqrt(n) =  87.36131867136622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.230292154458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.71543976227034

n =  1909
somme des inverses des racines des entiers jusqu a n =  85.93529780663108
2*sqrt(n) =  87.38420909981392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.25265861118817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.73859217657679

n =  1910
somme des inverses des racines des entiers jusqu a n =  85.9581792447289
2*sqrt(n) =  87.40709353364863
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.27501934770797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.76173845906897

n =  1911
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somme des inverses des racines des entiers jusqu a n =  85.98105469527248
2*sqrt(n) =  87.42997197757758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.29737436843732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.78487861459772

n =  1912
somme des inverses des racines des entiers jusqu a n =  86.00392416295979
2*sqrt(n) =  87.45284443630179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.31972367779045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.80801264800746

n =  1913
somme des inverses des racines des entiers jusqu a n =  86.02678765248267
2*sqrt(n) =  87.47571091451616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.34206728017591
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.83114056413628

n =  1914
somme des inverses des racines des entiers jusqu a n =  86.0496451685268
2*sqrt(n) =  87.49857141690943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.36440517999654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.85426236781588

n =  1915
somme des inverses des racines des entiers jusqu a n =  86.07249671577175
2*sqrt(n) =  87.52142594816426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.38673738164952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.87737806387163

n =  1916
somme des inverses des racines des entiers jusqu a n =  86.095342298891
2*sqrt(n) =  87.54427451295716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.40906388952635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.90048765712255

n =  1917
somme des inverses des racines des entiers jusqu a n =  86.11818192255191
2*sqrt(n) =  87.56711711595854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.4313847080129
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.92359115238136

n =  1918
somme des inverses des racines des entiers jusqu a n =  86.1410155914158
2*sqrt(n) =  87.58995376183276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.45369984148938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.94668855445445

n =  1919
somme des inverses des racines des entiers jusqu a n =  86.16384331013785
2*sqrt(n) =  87.61278445523804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.47600929433035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.96977986814188

n =  1920
somme des inverses des racines des entiers jusqu a n =  86.18666508336723
2*sqrt(n) =  87.63560920082658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.49831307090476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  91.99286509823749

n =  1921
somme des inverses des racines des entiers jusqu a n =  86.20948091574705
2*sqrt(n) =  87.65842800324451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.52061117557595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.01594424952879
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n =  1922
somme des inverses des racines des entiers jusqu a n =  86.23229081191435
2*sqrt(n) =  87.68124086713189
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.54290361270165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.03901732679701

n =  1923
somme des inverses des racines des entiers jusqu a n =  86.25509477650019
2*sqrt(n) =  87.7040477971228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.56519038663401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.06208433481719

n =  1924
somme des inverses des racines des entiers jusqu a n =  86.27789281412956
2*sqrt(n) =  87.72684879784524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.58747150171959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.08514527835806

n =  1925
somme des inverses des racines des entiers jusqu a n =  86.30068492942148
2*sqrt(n) =  87.74964387392122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.60974696229934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.10820016218216

n =  1926
somme des inverses des racines des entiers jusqu a n =  86.32347112698896
2*sqrt(n) =  87.77243302996676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.6320167727087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.1312489910458

n =  1927
somme des inverses des racines des entiers jusqu a n =  86.34625141143904
2*sqrt(n) =  87.79521627059188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.65428093727752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.15429176969906

n =  1928
somme des inverses des racines des entiers jusqu a n =  86.36902578737275
2*sqrt(n) =  87.8179936004006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.6765394603301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.17732850288584

n =  1929
somme des inverses des racines des entiers jusqu a n =  86.3917942593852
2*sqrt(n) =  87.840765023991
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.69879234618527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.20035919534385

n =  1930
somme des inverses des racines des entiers jusqu a n =  86.41455683206549
2*sqrt(n) =  87.86353054595519
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.72103959915626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.22338385180464

n =  1931
somme des inverses des racines des entiers jusqu a n =  86.43731350999684
2*sqrt(n) =  87.88629017087932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.74328122355081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.24640247699357

n =  1932
somme des inverses des racines des entiers jusqu a n =  86.4600642977565
2*sqrt(n) =  87.90904390334364
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.76551722367118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.26941507562987

n =  1933
somme des inverses des racines des entiers jusqu a n =  86.48280919991582
2*sqrt(n) =  87.93179174792243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.78774760381411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.2924216524266

n =  1934
somme des inverses des racines des entiers jusqu a n =  86.50554822104021
2*sqrt(n) =  87.95453370918409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.80997236827085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.31542221209071

n =  1935
somme des inverses des racines des entiers jusqu a n =  86.52828136568922
2*sqrt(n) =  87.97726979169109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.8321915213272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.33841675932302

n =  1936
somme des inverses des racines des entiers jusqu a n =  86.55100863841649
2*sqrt(n) =  88.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.85440506726349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.36140529881826

n =  1937
somme des inverses des racines des entiers jusqu a n =  86.57373004376979
2*sqrt(n) =  88.02272433866155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.87661301035456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.38438783526504

n =  1938
somme des inverses des racines des entiers jusqu a n =  86.596445586291
2*sqrt(n) =  88.04544281222056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.89881535486985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.40736437334591

n =  1939
somme des inverses des racines des entiers jusqu a n =  86.61915527051617
2*sqrt(n) =  88.06815542521599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.92101210507334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.43033491773731

n =  1940
somme des inverses des racines des entiers jusqu a n =  86.6418591009755
2*sqrt(n) =  88.09086218218096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.94320326522359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.45329947310964

n =  1941
somme des inverses des racines des entiers jusqu a n =  86.66455708219333
2*sqrt(n) =  88.11356308764276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.96538883957375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.47625804412726

n =  1942
somme des inverses des racines des entiers jusqu a n =  86.68724921868821
2*sqrt(n) =  88.13625814612281
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  77.98756883237155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.49921063544845

n =  1943
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somme des inverses des racines des entiers jusqu a n =  86.70993551497286
2*sqrt(n) =  88.15894736213676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.00974324785932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.52215725172547

n =  1944
somme des inverses des racines des entiers jusqu a n =  86.73261597555418
2*sqrt(n) =  88.18163074019441
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.03191209027403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.54509789760459

n =  1945
somme des inverses des racines des entiers jusqu a n =  86.75529060493331
2*sqrt(n) =  88.20430828479978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.05407536384723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.56803257772604

n =  1946
somme des inverses des racines des entiers jusqu a n =  86.77795940760556
2*sqrt(n) =  88.2269800004511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.07623307280517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.59096129672407

n =  1947
somme des inverses des racines des entiers jusqu a n =  86.80062238806053
2*sqrt(n) =  88.24964589164084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.09838522136864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.61388405922693

n =  1948
somme des inverses des racines des entiers jusqu a n =  86.823279550782
2*sqrt(n) =  88.27230596285564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.12053181375316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.63680086985687

n =  1949
somme des inverses des racines des entiers jusqu a n =  86.84593090024804
2*sqrt(n) =  88.29496021857646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.14267285416891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.65971173323024

n =  1950
somme des inverses des racines des entiers jusqu a n =  86.86857644093092
2*sqrt(n) =  88.31760866327846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.16480834682068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.68261665395735

n =  1951
somme des inverses des racines des entiers jusqu a n =  86.89121617729725
2*sqrt(n) =  88.34025130143111
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.186938295908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.70551563664266

n =  1952
somme des inverses des racines des entiers jusqu a n =  86.91385011380788
2*sqrt(n) =  88.36288813749809
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.20906270562506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.7284086858846

n =  1953
somme des inverses des racines des entiers jusqu a n =  86.93647825491796
2*sqrt(n) =  88.38551917593742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.23118158016075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.75129580627575
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n =  1954
somme des inverses des racines des entiers jusqu a n =  86.95910060507691
2*sqrt(n) =  88.40814442120137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.25329492369865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.77417700240272

n =  1955
somme des inverses des racines des entiers jusqu a n =  86.98171716872851
2*sqrt(n) =  88.43076387773658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.27540274041712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.79705227884631

n =  1956
somme des inverses des racines des entiers jusqu a n =  87.00432795031081
2*sqrt(n) =  88.45337754998393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.29750503448916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.8199216401813

n =  1957
somme des inverses des racines des entiers jusqu a n =  87.02693295425622
2*sqrt(n) =  88.47598544237866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.31960181008259
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.84278509097669

n =  1958
somme des inverses des racines des entiers jusqu a n =  87.0495321849915
2*sqrt(n) =  88.49858755935034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.34169307135988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.86564263579557

n =  1959
somme des inverses des racines des entiers jusqu a n =  87.07212564693774
2*sqrt(n) =  88.52118390532291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.36377882247838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.88849427919519

n =  1960
somme des inverses des racines des entiers jusqu a n =  87.09471334451037
2*sqrt(n) =  88.54377448471462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.38585906759006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.9113400257269

n =  1961
somme des inverses des racines des entiers jusqu a n =  87.11729528211923
2*sqrt(n) =  88.56635930193812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.40793381084178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.9341798799363

n =  1962
somme des inverses des racines des entiers jusqu a n =  87.13987146416852
2*sqrt(n) =  88.58893836140041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.4300030563751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.95701384636305

n =  1963
somme des inverses des racines des entiers jusqu a n =  87.16244189505683
2*sqrt(n) =  88.61151166750288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.45206680832642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  92.97984192954111

n =  1964
somme des inverses des racines des entiers jusqu a n =  87.18500657917716
2*sqrt(n) =  88.63407922464135
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.47412507082694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.00266413399855

n =  1965
somme des inverses des racines des entiers jusqu a n =  87.2075655209169
2*sqrt(n) =  88.656641037206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.49617784800265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.02548046425768

n =  1966
somme des inverses des racines des entiers jusqu a n =  87.2301187246579
2*sqrt(n) =  88.67919710958145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.51822514397435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.048290924835

n =  1967
somme des inverses des racines des entiers jusqu a n =  87.2526661947764
2*sqrt(n) =  88.70174744614674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.54026696285769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.07109552024127

n =  1968
somme des inverses des racines des entiers jusqu a n =  87.27520793564308
2*sqrt(n) =  88.72429205127534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.56230330876315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.09389425498144

n =  1969
somme des inverses des racines des entiers jusqu a n =  87.2977439516231
2*sqrt(n) =  88.74683092933516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.58433418579604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.11668713355472

n =  1970
somme des inverses des racines des entiers jusqu a n =  87.32027424707607
2*sqrt(n) =  88.76936408468859
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.60635959805656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.1394741604546

n =  1971
somme des inverses des racines des entiers jusqu a n =  87.34279882635606
2*sqrt(n) =  88.79189152169245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.62837954963973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.1622553401688

n =  1972
somme des inverses des racines des entiers jusqu a n =  87.3653176938116
2*sqrt(n) =  88.81441324469807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.6503940446355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.18503067717936

n =  1973
somme des inverses des racines des entiers jusqu a n =  87.38783085378577
2*sqrt(n) =  88.83692925805124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.67240308712863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.20780017596255

n =  1974
somme des inverses des racines des entiers jusqu a n =  87.41033831061608
2*sqrt(n) =  88.85943956609225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.69440668119883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.23056384098896

n =  1975
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somme des inverses des racines des entiers jusqu a n =  87.4328400686346
2*sqrt(n) =  88.88194417315589
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.71640483092067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.25332167672349

n =  1976
somme des inverses des racines des entiers jusqu a n =  87.4553361321679
2*sqrt(n) =  88.90444308357148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.73839754036368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.27607368762538

n =  1977
somme des inverses des racines des entiers jusqu a n =  87.47782650553707
2*sqrt(n) =  88.92693630166283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.76038481359222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.29881987814814

n =  1978
somme des inverses des racines des entiers jusqu a n =  87.50031119305773
2*sqrt(n) =  88.94942383174835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.7823666546657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.32156025273967

n =  1979
somme des inverses des racines des entiers jusqu a n =  87.52279019904007
2*sqrt(n) =  88.9719056781409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.80434306763834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.34429481584218

n =  1980
somme des inverses des racines des entiers jusqu a n =  87.54526352778885
2*sqrt(n) =  88.99438184514796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.82631405655938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.36702357189225

n =  1981
somme des inverses des racines des entiers jusqu a n =  87.56773118360336
2*sqrt(n) =  89.01685233707154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.848279625473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.38974652532082

n =  1982
somme des inverses des racines des entiers jusqu a n =  87.59019317077748
2*sqrt(n) =  89.03931715820826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.87023977841834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.41246368055323

n =  1983
somme des inverses des racines des entiers jusqu a n =  87.61264949359969
2*sqrt(n) =  89.06177631284928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.89219451942948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.43517504200916

n =  1984
somme des inverses des racines des entiers jusqu a n =  87.63510015635303
2*sqrt(n) =  89.08422980528034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.91414385253553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.45788061410275

n =  1985
somme des inverses des racines des entiers jusqu a n =  87.65754516331519
2*sqrt(n) =  89.10667763978185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.93608778176056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.48058040124249
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n =  1986
somme des inverses des racines des entiers jusqu a n =  87.67998451875845
2*sqrt(n) =  89.12911982062877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.95802631112366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.50327440783133

n =  1987
somme des inverses des racines des entiers jusqu a n =  87.70241822694972
2*sqrt(n) =  89.15155635209068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  78.97995944463887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.52596263826658

n =  1988
somme des inverses des racines des entiers jusqu a n =  87.72484629215053
2*sqrt(n) =  89.17398723843182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.0018871863153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.54864509694008

n =  1989
somme des inverses des racines des entiers jusqu a n =  87.74726871861708
2*sqrt(n) =  89.19641248391103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.02380954015706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.57132178823801

n =  1990
somme des inverses des racines des entiers jusqu a n =  87.76968551060018
2*sqrt(n) =  89.21883209278185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.04572651016332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.59399271654112

n =  1991
somme des inverses des racines des entiers jusqu a n =  87.79209667234537
2*sqrt(n) =  89.24124606929242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.06763810032822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.61665788622452

n =  1992
somme des inverses des racines des entiers jusqu a n =  87.81450220809278
2*sqrt(n) =  89.26365441768559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.08954431464105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.63931730165785

n =  1993
somme des inverses des racines des entiers jusqu a n =  87.83690212207728
2*sqrt(n) =  89.28605714219886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.11144515708607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.66197096720525

n =  1994
somme des inverses des racines des entiers jusqu a n =  87.8592964185284
2*sqrt(n) =  89.30845424706443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.13334063164265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.68461888722533

n =  1995
somme des inverses des racines des entiers jusqu a n =  87.88168510167039
2*sqrt(n) =  89.33084573650918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.15523074228521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.70726106607115

n =  1996
somme des inverses des racines des entiers jusqu a n =  87.90406817572217
2*sqrt(n) =  89.3532316147547
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.1771154929833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.7298975080904

n =  1997
somme des inverses des racines des entiers jusqu a n =  87.92644564489744
2*sqrt(n) =  89.37561188601732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.19899488770152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.75252821762523

n =  1998
somme des inverses des racines des entiers jusqu a n =  87.94881751340458
2*sqrt(n) =  89.39798655450804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.22086893039955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.77515319901228

n =  1999
somme des inverses des racines des entiers jusqu a n =  87.97118378544671
2*sqrt(n) =  89.42035562443263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.24273762503223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.79777245658282

n =  2000
somme des inverses des racines des entiers jusqu a n =  87.9935444652217
2*sqrt(n) =  89.44271909999159
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.26460097554951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.82038599466263

n =  2001
somme des inverses des racines des entiers jusqu a n =  88.0158995569222
2*sqrt(n) =  89.46507698538016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.28645898589643
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.84299381757202

n =  2002
somme des inverses des racines des entiers jusqu a n =  88.03824906473558
2*sqrt(n) =  89.48742928478838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.30831166001322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.86559592962595

n =  2003
somme des inverses des racines des entiers jusqu a n =  88.06059299284402
2*sqrt(n) =  89.50977600240098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.33015900183517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.8881923351339

n =  2004
somme des inverses des racines des entiers jusqu a n =  88.08293134542446
2*sqrt(n) =  89.53211714239757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.35200101529281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.91078303839994

n =  2005
somme des inverses des racines des entiers jusqu a n =  88.10526412664863
2*sqrt(n) =  89.55445270895244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.37383770431177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.93336804372277

n =  2006
somme des inverses des racines des entiers jusqu a n =  88.1275913406831
2*sqrt(n) =  89.57678270623477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.3956690728129
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.95594735539571

n =  2007
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somme des inverses des racines des entiers jusqu a n =  88.14991299168918
2*sqrt(n) =  89.59910713840847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.41749512471213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  93.97852097770664

n =  2008
somme des inverses des racines des entiers jusqu a n =  88.17222908382305
2*sqrt(n) =  89.62142600963232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.4393158639207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.00108891493812

n =  2009
somme des inverses des racines des entiers jusqu a n =  88.19453962123572
2*sqrt(n) =  89.64373932405988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.46113129434495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.02365117136735

n =  2010
somme des inverses des racines des entiers jusqu a n =  88.21684460807299
2*sqrt(n) =  89.66604708583958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.48294141988646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.04620775126614

n =  2011
somme des inverses des racines des entiers jusqu a n =  88.23914404847555
2*sqrt(n) =  89.68834929911465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.504746244442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.06875865890098

n =  2012
somme des inverses des racines des entiers jusqu a n =  88.26143794657894
2*sqrt(n) =  89.71064596802321
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.52654577190359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.09130389853303

n =  2013
somme des inverses des racines des entiers jusqu a n =  88.28372630651354
2*sqrt(n) =  89.73293709669822
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.54834000615844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.11384347441812

n =  2014
somme des inverses des racines des entiers jusqu a n =  88.30600913240463
2*sqrt(n) =  89.7552226892675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.57012895108899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.13637739080674

n =  2015
somme des inverses des racines des entiers jusqu a n =  88.32828642837234
2*sqrt(n) =  89.77750274985377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.59191261057299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.15890565194415

n =  2016
somme des inverses des racines des entiers jusqu a n =  88.3505581985317
2*sqrt(n) =  89.7997772825746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.61369098848334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.18142826207023

n =  2017
somme des inverses des racines des entiers jusqu a n =  88.37282444699267
2*sqrt(n) =  89.82204629154248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.63546408868827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.20394522541957
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n =  2018
somme des inverses des racines des entiers jusqu a n =  88.39508517786008
2*sqrt(n) =  89.8443097808648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.65723191505126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.22645654622158

n =  2019
somme des inverses des racines des entiers jusqu a n =  88.4173403952337
2*sqrt(n) =  89.86656775464388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.67899447143105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.2489622287003

n =  2020
somme des inverses des racines des entiers jusqu a n =  88.43959010320819
2*sqrt(n) =  89.88882021697692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.70075176168167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.27146227707455

n =  2021
somme des inverses des racines des entiers jusqu a n =  88.4618343058732
2*sqrt(n) =  89.91106717195609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.72250378965248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.2939566955579

n =  2022
somme des inverses des racines des entiers jusqu a n =  88.48407300731327
2*sqrt(n) =  89.93330862366847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.74425055918806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.31644548835867

n =  2023
somme des inverses des racines des entiers jusqu a n =  88.50630621160794
2*sqrt(n) =  89.95554457619608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.76599207412833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.33892865967994

n =  2024
somme des inverses des racines des entiers jusqu a n =  88.52853392283166
2*sqrt(n) =  89.97777503361594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.7877283383086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.36140621371962

n =  2025
somme des inverses des racines des entiers jusqu a n =  88.55075614505388
2*sqrt(n) =  90.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.80945935555937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.38387815467031

n =  2026
somme des inverses des racines des entiers jusqu a n =  88.57297288233903
2*sqrt(n) =  90.0222194794152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.83118512970657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.4063444867195

n =  2027
somme des inverses des racines des entiers jusqu a n =  88.5951841387465
2*sqrt(n) =  90.04443347592343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.85290566457144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.42880521404942

n =  2028
somme des inverses des racines des entiers jusqu a n =  88.61738991833072
2*sqrt(n) =  90.06664199358161
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.87462096397054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.45126034083714

n =  2029
somme des inverses des racines des entiers jusqu a n =  88.63959022514108
2*sqrt(n) =  90.08884503644167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.89633103171586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.47370987125457

n =  2030
somme des inverses des racines des entiers jusqu a n =  88.661785063222
2*sqrt(n) =  90.11104260855048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.91803587161465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.49615380946838

n =  2031
somme des inverses des racines des entiers jusqu a n =  88.68397443661293
2*sqrt(n) =  90.13323471394999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.9397354874696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.51859215964018

n =  2032
somme des inverses des racines des entiers jusqu a n =  88.70615834934833
2*sqrt(n) =  90.15542135667715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.96142988307878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.54102492592634

n =  2033
somme des inverses des racines des entiers jusqu a n =  88.72833680545772
2*sqrt(n) =  90.17760254076397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  79.98311906223563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.56345211247815

n =  2034
somme des inverses des racines des entiers jusqu a n =  88.75050980896565
2*sqrt(n) =  90.19977827023745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.00480302872894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.5858737234417

n =  2035
somme des inverses des racines des entiers jusqu a n =  88.77267736389172
2*sqrt(n) =  90.22194854911969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.026481786343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.60828976295804

n =  2036
somme des inverses des racines des entiers jusqu a n =  88.79483947425061
2*sqrt(n) =  90.24411338142782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.04815533885741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.63070023516302

n =  2037
somme des inverses des racines des entiers jusqu a n =  88.81699614405207
2*sqrt(n) =  90.26627277117406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.06982369004726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.65310514418746

n =  2038
somme des inverses des racines des entiers jusqu a n =  88.83914737730093
2*sqrt(n) =  90.2884267223657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.09148684368303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.67550449415702

n =  2039
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somme des inverses des racines des entiers jusqu a n =  88.86129317799711
2*sqrt(n) =  90.31057523900509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.11314480353064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.69789828919231

n =  2040
somme des inverses des racines des entiers jusqu a n =  88.88343355013562
2*sqrt(n) =  90.33271832508971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.13479757335146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.72028653340884

n =  2041
somme des inverses des racines des entiers jusqu a n =  88.90556849770657
2*sqrt(n) =  90.35485598461214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.15644515690231
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.74266923091706

n =  2042
somme des inverses des racines des entiers jusqu a n =  88.9276980246952
2*sqrt(n) =  90.37698822156003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.17808755793541
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.76504638582233

n =  2043
somme des inverses des racines des entiers jusqu a n =  88.94982213508187
2*sqrt(n) =  90.39911503991618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.19972478019857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.787418002225

n =  2044
somme des inverses des racines des entiers jusqu a n =  88.97194083284207
2*sqrt(n) =  90.42123644365851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.22135682743493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.80978408422031

n =  2045
somme des inverses des racines des entiers jusqu a n =  88.9940541219464
2*sqrt(n) =  90.44335243676011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.24298370338322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.83214463589856

n =  2046
somme des inverses des racines des entiers jusqu a n =  89.01616200636067
2*sqrt(n) =  90.46546302318913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.26460541177757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.85449966134492

n =  2047
somme des inverses des racines des entiers jusqu a n =  89.0382644900458
2*sqrt(n) =  90.48756820690895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.28622195634766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.87684916463958

n =  2048
somme des inverses des racines des entiers jusqu a n =  89.06036157695789
2*sqrt(n) =  90.50966799187809
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.30783334081869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.89919314985778

n =  2049
somme des inverses des racines des entiers jusqu a n =  89.0824532710482
2*sqrt(n) =  90.5317623820502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.32943956891131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.92153162106965
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n =  2050
somme des inverses des racines des entiers jusqu a n =  89.10453957626316
2*sqrt(n) =  90.55385138137417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.35104064434172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.9438645823404

n =  2051
somme des inverses des racines des entiers jusqu a n =  89.12662049654445
2*sqrt(n) =  90.57593499379402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.37263657082164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.96619203773021

n =  2052
somme des inverses des racines des entiers jusqu a n =  89.14869603582886
2*sqrt(n) =  90.598013223249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.39422735205834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  94.98851399129433

n =  2053
somme des inverses des racines des entiers jusqu a n =  89.17076619804847
2*sqrt(n) =  90.62008607367353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.4158129917546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.010830447083

n =  2054
somme des inverses des racines des entiers jusqu a n =  89.1928309871305
2*sqrt(n) =  90.64215354899729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.43739349360878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.03314140914154

n =  2055
somme des inverses des racines des entiers jusqu a n =  89.21489040699745
2*sqrt(n) =  90.66421565314509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.45896886131476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.05544688151025

n =  2056
somme des inverses des racines des entiers jusqu a n =  89.23694446156702
2*sqrt(n) =  90.68627239003708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.48053909856202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.0777468682246

n =  2057
somme des inverses des racines des entiers jusqu a n =  89.25899315475215
2*sqrt(n) =  90.70832376358854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.50210420903558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.10004137331501

n =  2058
somme des inverses des racines des entiers jusqu a n =  89.28103649046102
2*sqrt(n) =  90.73036977771004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.52366419641605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.12233040080703

n =  2059
somme des inverses des racines des entiers jusqu a n =  89.30307447259709
2*sqrt(n) =  90.75241043630741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.54521906437964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.14461395472131

n =  2060
somme des inverses des racines des entiers jusqu a n =  89.32510710505905
2*sqrt(n) =  90.77444574328173
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.56676881659811
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.16689203907355

n =  2061
somme des inverses des racines des entiers jusqu a n =  89.34713439174088
2*sqrt(n) =  90.79647570252934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.58831345673889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.18916465787456

n =  2062
somme des inverses des racines des entiers jusqu a n =  89.36915633653184
2*sqrt(n) =  90.81850031794183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.60985298846492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.21143181513027

n =  2063
somme des inverses des racines des entiers jusqu a n =  89.39117294331648
2*sqrt(n) =  90.84051959340611
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.63138741543487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.23369351484173

n =  2064
somme des inverses des racines des entiers jusqu a n =  89.41318421597462
2*sqrt(n) =  90.86253353280438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.65291674130293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.2559497610051

n =  2065
somme des inverses des racines des entiers jusqu a n =  89.4351901583814
2*sqrt(n) =  90.8845421400141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.67444096971897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.27820055761167

n =  2066
somme des inverses des racines des entiers jusqu a n =  89.45719077440728
2*sqrt(n) =  90.9065454189081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.69596010432852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.30044590864789

n =  2067
somme des inverses des racines des entiers jusqu a n =  89.47918606791801
2*sqrt(n) =  90.92854337335444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.71747414877268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.32268581809532

n =  2068
somme des inverses des racines des entiers jusqu a n =  89.50117604277469
2*sqrt(n) =  90.95053600721658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.73898310668827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.34492028993074

n =  2069
somme des inverses des racines des entiers jusqu a n =  89.52316070283374
2*sqrt(n) =  90.97252332435328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.76048698170774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.36714932812605

n =  2070
somme des inverses des racines des entiers jusqu a n =  89.54514005194693
2*sqrt(n) =  90.9945053286186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.7819857774592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.3893729366483

n =  2071
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somme des inverses des racines des entiers jusqu a n =  89.56711409396138
2*sqrt(n) =  91.01648202386203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.80347949756644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.41159111945981

n =  2072
somme des inverses des racines des entiers jusqu a n =  89.58908283271957
2*sqrt(n) =  91.03845341392834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.82496814564897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.43380388051801

n =  2073
somme des inverses des racines des entiers jusqu a n =  89.61104627205933
2*sqrt(n) =  91.06041950265768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.84645172532191
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.45601122377556

n =  2074
somme des inverses des racines des entiers jusqu a n =  89.63300441581389
2*sqrt(n) =  91.0823802938856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.86793024019613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.47821315318033

n =  2075
somme des inverses des racines des entiers jusqu a n =  89.65495726781182
2*sqrt(n) =  91.10433579144299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.8894036938782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.50040967267539

n =  2076
somme des inverses des racines des entiers jusqu a n =  89.67690483187714
2*sqrt(n) =  91.12628599915614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.91087208997037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.52260078619902

n =  2077
somme des inverses des racines des entiers jusqu a n =  89.6988471118292
2*sqrt(n) =  91.14823092084673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.93233543207062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.54478649768478

n =  2078
somme des inverses des racines des entiers jusqu a n =  89.72078411148279
2*sqrt(n) =  91.17017056033185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.95379372377269
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.56696681106143

n =  2079
somme des inverses des racines des entiers jusqu a n =  89.74271583464811
2*sqrt(n) =  91.19210492142398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.97524696866597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.58914173025298

n =  2080
somme des inverses des racines des entiers jusqu a n =  89.76464228513079
2*sqrt(n) =  91.21403400793103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  80.99669517033567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.6113112591787

n =  2081
somme des inverses des racines des entiers jusqu a n =  89.78656346673186
2*sqrt(n) =  91.23595782365635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.01813833236272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.63347540175316
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n =  2082
somme des inverses des racines des entiers jusqu a n =  89.80847938324781
2*sqrt(n) =  91.25787637239867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.03957645832376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.65563416188613

n =  2083
somme des inverses des racines des entiers jusqu a n =  89.83039003847055
2*sqrt(n) =  91.27978965795221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.06100955179124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.6777875434827

n =  2084
somme des inverses des racines des entiers jusqu a n =  89.85229543618748
2*sqrt(n) =  91.30169768410661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.08243761633337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.69993555044324

n =  2085
somme des inverses des racines des entiers jusqu a n =  89.8741955801814
2*sqrt(n) =  91.32360045464699
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.1038606555141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.72207818666344

n =  2086
somme des inverses des racines des entiers jusqu a n =  89.89609047423062
2*sqrt(n) =  91.34549797335389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.12527867289317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.74421545603424

n =  2087
somme des inverses des racines des entiers jusqu a n =  89.91798012210891
2*sqrt(n) =  91.36739024400336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.14669167202617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.76634736244196

n =  2088
somme des inverses des racines des entiers jusqu a n =  89.93986452758554
2*sqrt(n) =  91.3892772703669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.16809965646438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.78847390976816

n =  2089
somme des inverses des racines des entiers jusqu a n =  89.96174369442522
2*sqrt(n) =  91.41115905621152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.18950262975495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.81059510188979

n =  2090
somme des inverses des racines des entiers jusqu a n =  89.98361762638821
2*sqrt(n) =  91.43303560529968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.21090059544083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.8327109426791

n =  2091
somme des inverses des racines des entiers jusqu a n =  90.00548632723024
2*sqrt(n) =  91.45490692138941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.23229355706079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.85482143600372

n =  2092
somme des inverses des racines des entiers jusqu a n =  90.02734980070258
2*sqrt(n) =  91.47677300823418
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.25368151814936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.87692658572658

n =  2093
somme des inverses des racines des entiers jusqu a n =  90.04920805055198
2*sqrt(n) =  91.49863386958299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.275064482237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.89902639570599

n =  2094
somme des inverses des racines des entiers jusqu a n =  90.07106108052075
2*sqrt(n) =  91.52048950918041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.29644245284993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.92112086979564

n =  2095
somme des inverses des racines des entiers jusqu a n =  90.0929088943467
2*sqrt(n) =  91.54233993076646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.31781543351022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.94321001184457

n =  2096
somme des inverses des racines des entiers jusqu a n =  90.11475149576323
2*sqrt(n) =  91.56418513807678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.33918342773585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.96529382569724

n =  2097
somme des inverses des racines des entiers jusqu a n =  90.13658888849925
2*sqrt(n) =  91.58602513484249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.36054643904058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  95.98737231519344

n =  2098
somme des inverses des racines des entiers jusqu a n =  90.15842107627923
2*sqrt(n) =  91.60785992479029
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.38190447093405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.00944548416841

n =  2099
somme des inverses des racines des entiers jusqu a n =  90.18024806282321
2*sqrt(n) =  91.62968951164245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.40325752692182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.03151333645276

n =  2100
somme des inverses des racines des entiers jusqu a n =  90.20206985184682
2*sqrt(n) =  91.6515138991168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.42460561050528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.05357587587254

n =  2101
somme des inverses des racines des entiers jusqu a n =  90.22388644706122
2*sqrt(n) =  91.67333309092672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.44594872518172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.07563310624921

n =  2102
somme des inverses des racines des entiers jusqu a n =  90.24569785217321
2*sqrt(n) =  91.6951470907812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.46728687444431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.09768503139965

n =  2103
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somme des inverses des racines des entiers jusqu a n =  90.26750407088514
2*sqrt(n) =  91.71695590238481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.48862006178211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.11973165513615

n =  2104
somme des inverses des racines des entiers jusqu a n =  90.28930510689499
2*sqrt(n) =  91.73875952943771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.50994829068011
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.14177298126651

n =  2105
somme des inverses des racines des entiers jusqu a n =  90.31110096389632
2*sqrt(n) =  91.76055797563569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.53127156461922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.16380901359393

n =  2106
somme des inverses des racines des entiers jusqu a n =  90.33289164557834
2*sqrt(n) =  91.78235124467012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.55258988707621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.18583975591709

n =  2107
somme des inverses des racines des entiers jusqu a n =  90.35467715562586
2*sqrt(n) =  91.804139340228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.57390326152382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.2078652120301

n =  2108
somme des inverses des racines des entiers jusqu a n =  90.37645749771931
2*sqrt(n) =  91.82592226599198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.59521169143073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.2298853857226

n =  2109
somme des inverses des racines des entiers jusqu a n =  90.39823267553479
2*sqrt(n) =  91.84770002564028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.61651518026152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.25190028077967

n =  2110
somme des inverses des racines des entiers jusqu a n =  90.42000269274399
2*sqrt(n) =  91.86947262284681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.63781373147671
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.27390990098186

n =  2111
somme des inverses des racines des entiers jusqu a n =  90.44176755301432
2*sqrt(n) =  91.89124006128114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.65910734853283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.2959142501053

n =  2112
somme des inverses des racines des entiers jusqu a n =  90.46352726000877
2*sqrt(n) =  91.91300234460846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.6803960348823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.31791333192153

n =  2113
somme des inverses des racines des entiers jusqu a n =  90.48528181738608
2*sqrt(n) =  91.93475947648963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.70167979397358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.33990715019766
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n =  2114
somme des inverses des racines des entiers jusqu a n =  90.5070312288006
2*sqrt(n) =  91.9565114605812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.72295862925102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.36189570869628

n =  2115
somme des inverses des racines des entiers jusqu a n =  90.52877549790239
2*sqrt(n) =  91.97825830053534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.74423254415497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.38387901117552

n =  2116
somme des inverses des racines des entiers jusqu a n =  90.55051462833717
2*sqrt(n) =  92.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.76550154212181
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.40585706138909

n =  2117
somme des inverses des racines des entiers jusqu a n =  90.57224862374639
2*sqrt(n) =  92.02173656261873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.78676562658387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.42782986308616

n =  2118
somme des inverses des racines des entiers jusqu a n =  90.59397748776718
2*sqrt(n) =  92.04346799203081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.80802480096946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.44979742001148

n =  2119
somme des inverses des racines des entiers jusqu a n =  90.61570122403236
2*sqrt(n) =  92.06519429187124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.82927906870295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.47175973590538

n =  2120
somme des inverses des racines des entiers jusqu a n =  90.63741983617052
2*sqrt(n) =  92.0869154657707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.85052843320464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.49371681450373

n =  2121
somme des inverses des racines des entiers jusqu a n =  90.65913332780592
2*sqrt(n) =  92.10863151735563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.87177289789095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.51566865953797

n =  2122
somme des inverses des racines des entiers jusqu a n =  90.68084170255857
2*sqrt(n) =  92.13034245024816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.89301246617424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.53761527473512

n =  2123
somme des inverses des racines des entiers jusqu a n =  90.70254496404422
2*sqrt(n) =  92.15204826806618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.91424714146294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.5595566638178

n =  2124
somme des inverses des racines des entiers jusqu a n =  90.72424311587436
2*sqrt(n) =  92.1737489744233
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.93547692716147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.58149283050422

n =  2125
somme des inverses des racines des entiers jusqu a n =  90.74593616165622
2*sqrt(n) =  92.19544457292888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.95670182667037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.60342377850813

n =  2126
somme des inverses des racines des entiers jusqu a n =  90.7676241049928
2*sqrt(n) =  92.21713506718802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.97792184338614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.62534951153897

n =  2127
somme des inverses des racines des entiers jusqu a n =  90.78930694948289
2*sqrt(n) =  92.23882046080165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  81.99913698070142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.64727003330177

n =  2128
somme des inverses des racines des entiers jusqu a n =  90.810984698721
2*sqrt(n) =  92.26050075736637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.02034724200485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.66918534749713

n =  2129
somme des inverses des racines des entiers jusqu a n =  90.83265735629745
2*sqrt(n) =  92.28217596047462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.04155263068114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.69109545782135

n =  2130
somme des inverses des racines des entiers jusqu a n =  90.85432492579832
2*sqrt(n) =  92.30384607371461
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.06275315011115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.71300036796634

n =  2131
somme des inverses des racines des entiers jusqu a n =  90.87598741080552
2*sqrt(n) =  92.32551110067033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.08394880367172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.73490008161963

n =  2132
somme des inverses des racines des entiers jusqu a n =  90.89764481489674
2*sqrt(n) =  92.34717104492157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.10513959473583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.75679460246442

n =  2133
somme des inverses des racines des entiers jusqu a n =  90.91929714164546
2*sqrt(n) =  92.36882591004391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.12632552667256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.77868393417958

n =  2134
somme des inverses des racines des entiers jusqu a n =  90.940944394621
2*sqrt(n) =  92.39047569960877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.14750660284707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.80056808043962

n =  2135
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somme des inverses des racines des entiers jusqu a n =  90.96258657738849
2*sqrt(n) =  92.41212041718337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.16868282662065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.82244704491472

n =  2136
somme des inverses des racines des entiers jusqu a n =  90.9842236935089
2*sqrt(n) =  92.43376006633075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.18985420135067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.84432083127079

n =  2137
somme des inverses des racines des entiers jusqu a n =  91.00585574653898
2*sqrt(n) =  92.45539465060976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.21102073039062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.86618944316933

n =  2138
somme des inverses des racines des entiers jusqu a n =  91.0274827400314
2*sqrt(n) =  92.47702417357513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.23218241709014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.88805288426762

n =  2139
somme des inverses des racines des entiers jusqu a n =  91.04910467753463
2*sqrt(n) =  92.49864863877742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.25333926479502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.90991115821862

n =  2140
somme des inverses des racines des entiers jusqu a n =  91.07072156259298
2*sqrt(n) =  92.52026804976302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.27449127684713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.93176426867096

n =  2141
somme des inverses des racines des entiers jusqu a n =  91.09233339874666
2*sqrt(n) =  92.5418824100742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.29563845658451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.95361221926903

n =  2142
somme des inverses des racines des entiers jusqu a n =  91.11394018953173
2*sqrt(n) =  92.56349172324907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.31678080734139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.97545501365292

n =  2143
somme des inverses des racines des entiers jusqu a n =  91.13554193848013
2*sqrt(n) =  92.58509599282165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.33791833244808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  96.99729265545844

n =  2144
somme des inverses des racines des entiers jusqu a n =  91.15713864911966
2*sqrt(n) =  92.6066952223218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.35905103523112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.01912514831714

n =  2145
somme des inverses des racines des entiers jusqu a n =  91.17873032497404
2*sqrt(n) =  92.62828941527529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.38017891901318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.04095249585635
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n =  2146
somme des inverses des racines des entiers jusqu a n =  91.20031696956286
2*sqrt(n) =  92.64987857520376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.40130198711311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.06277470169907

n =  2147
somme des inverses des racines des entiers jusqu a n =  91.22189858640162
2*sqrt(n) =  92.67146270562476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.42242024284599
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.08459176946415

n =  2148
somme des inverses des racines des entiers jusqu a n =  91.24347517900172
2*sqrt(n) =  92.69304181005174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.443533689523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.10640370276612

n =  2149
somme des inverses des racines des entiers jusqu a n =  91.2650467508705
2*sqrt(n) =  92.71461589199407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.46464233045157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.12821050521532

n =  2150
somme des inverses des racines des entiers jusqu a n =  91.28661330551118
2*sqrt(n) =  92.73618495495704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.48574616893534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.15001218041789

n =  2151
somme des inverses des racines des entiers jusqu a n =  91.30817484642296
2*sqrt(n) =  92.75774900244184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.50684520827411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.1718087319757

n =  2152
somme des inverses des racines des entiers jusqu a n =  91.32973137710091
2*sqrt(n) =  92.77930803794561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.52793945176394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.19360016348645

n =  2153
somme des inverses des racines des entiers jusqu a n =  91.35128290103611
2*sqrt(n) =  92.80086206496145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.54902890269709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.21538647854362

n =  2154
somme des inverses des racines des entiers jusqu a n =  91.37282942171554
2*sqrt(n) =  92.82241108697835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.57011356436202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.2371676807365

n =  2155
somme des inverses des racines des entiers jusqu a n =  91.39437094262215
2*sqrt(n) =  92.84395510748128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.59119344004344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.2589437736502

n =  2156
somme des inverses des racines des entiers jusqu a n =  91.41590746723485
2*sqrt(n) =  92.8654941299512
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.61226853302232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.28071476086564

n =  2157
somme des inverses des racines des entiers jusqu a n =  91.43743899902852
2*sqrt(n) =  92.88702815786498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.63333884657582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.30248064595955

n =  2158
somme des inverses des racines des entiers jusqu a n =  91.458965541474
2*sqrt(n) =  92.90855719469548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.65440438397741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.32424143250451

n =  2159
somme des inverses des racines des entiers jusqu a n =  91.48048709803813
2*sqrt(n) =  92.93008124391154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.67546514849674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.34599712406894

n =  2160
somme des inverses des racines des entiers jusqu a n =  91.50200367218372
2*sqrt(n) =  92.951600308978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.69652114339979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.3677477242171

n =  2161
somme des inverses des racines des entiers jusqu a n =  91.52351526736959
2*sqrt(n) =  92.97311439335567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.71757237194879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.38949323650911

n =  2162
somme des inverses des racines des entiers jusqu a n =  91.54502188705055
2*sqrt(n) =  92.99462350050136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.73861883740221
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.41123366450094

n =  2163
somme des inverses des racines des entiers jusqu a n =  91.56652353467743
2*sqrt(n) =  93.01612763386788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.75966054301483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.4329690117444

n =  2164
somme des inverses des racines des entiers jusqu a n =  91.58802021369705
2*sqrt(n) =  93.03762679690406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.7806974920377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.45469928178724

n =  2165
somme des inverses des racines des entiers jusqu a n =  91.60951192755226
2*sqrt(n) =  93.05912099305473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.80172968771815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.47642447817303

n =  2166
somme des inverses des racines des entiers jusqu a n =  91.63099867968194
2*sqrt(n) =  93.08061022576076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.82275713329983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.49814460444122

n =  2167
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somme des inverses des racines des entiers jusqu a n =  91.652480473521
2*sqrt(n) =  93.10209449845905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.8437798320227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.51985966412722

n =  2168
somme des inverses des racines des entiers jusqu a n =  91.67395731250038
2*sqrt(n) =  93.12357381458253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.864797787123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.54156966076229

n =  2169
somme des inverses des racines des entiers jusqu a n =  91.69542920004707
2*sqrt(n) =  93.14504817756014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.88581100183328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.56327459787357

n =  2170
somme des inverses des racines des entiers jusqu a n =  91.71689613958412
2*sqrt(n) =  93.16651759081692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.90681947938242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.58497447898417

n =  2171
somme des inverses des racines des entiers jusqu a n =  91.73835813453064
2*sqrt(n) =  93.18798205777395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.92782322299567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.60666930761309

n =  2172
somme des inverses des racines des entiers jusqu a n =  91.75981518830179
2*sqrt(n) =  93.20944158184835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.94882223589453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.62835908727526

n =  2173
somme des inverses des racines des entiers jusqu a n =  91.7812673043088
2*sqrt(n) =  93.23089616645332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.96981652129689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.65004382148153

n =  2174
somme des inverses des racines des entiers jusqu a n =  91.80271448595899
2*sqrt(n) =  93.25234581499814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  82.99080608241698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.67172351373871

n =  2175
somme des inverses des racines des entiers jusqu a n =  91.82415673665574
2*sqrt(n) =  93.27379053088815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.01179092246537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.69339816754953

n =  2176
somme des inverses des racines des entiers jusqu a n =  91.84559405979856
2*sqrt(n) =  93.29523031752481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.03277104464898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.71506778641272

n =  2177
somme des inverses des racines des entiers jusqu a n =  91.86702645878302
2*sqrt(n) =  93.31666517830564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.0537464521711
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.7367323738229
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n =  2178
somme des inverses des racines des entiers jusqu a n =  91.88845393700079
2*sqrt(n) =  93.33809511662427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.07471714823137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.75839193327072

n =  2179
somme des inverses des racines des entiers jusqu a n =  91.90987649783968
2*sqrt(n) =  93.35952013587045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.09568313602584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.78004646824276

n =  2180
somme des inverses des racines des entiers jusqu a n =  91.93129414468358
2*sqrt(n) =  93.38094023943002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.11664441874689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.80169598222157

n =  2181
somme des inverses des racines des entiers jusqu a n =  91.95270688091253
2*sqrt(n) =  93.40235543068493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.13760099958331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.82334047868575

n =  2182
somme des inverses des racines des entiers jusqu a n =  91.97411470990268
2*sqrt(n) =  93.4237657130133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.15855288172028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.8449799611098

n =  2183
somme des inverses des racines des entiers jusqu a n =  91.99551763502632
2*sqrt(n) =  93.44517108978933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.1795000683394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.8666144329643

n =  2184
somme des inverses des racines des entiers jusqu a n =  92.01691565965186
2*sqrt(n) =  93.46657156438339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.20044256261859
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.88824389771578

n =  2185
somme des inverses des racines des entiers jusqu a n =  92.03830878714389
2*sqrt(n) =  93.48796714016194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.22138036773225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.90986835882678

n =  2186
somme des inverses des racines des entiers jusqu a n =  92.05969702086313
2*sqrt(n) =  93.50935782048768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.2423134868512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.93148781975592

n =  2187
somme des inverses des racines des entiers jusqu a n =  92.08108036416644
2*sqrt(n) =  93.53074360871938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.26324192314262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.95310228395776

n =  2188
somme des inverses des racines des entiers jusqu a n =  92.1024588204069
2*sqrt(n) =  93.552124508212
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.28416567977014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.97471175488293

n =  2189
somme des inverses des racines des entiers jusqu a n =  92.12383239293369
2*sqrt(n) =  93.57350052231668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.30508475989382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  97.9963162359781

n =  2190
somme des inverses des racines des entiers jusqu a n =  92.14520108509222
2*sqrt(n) =  93.59487165438073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.32599916667019
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.017915730686

n =  2191
somme des inverses des racines des entiers jusqu a n =  92.16656490022407
2*sqrt(n) =  93.6162379077476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.34690890325214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.03951024244533

n =  2192
somme des inverses des racines des entiers jusqu a n =  92.18792384166699
2*sqrt(n) =  93.637599285757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.36781397278911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.06109977469096

n =  2193
somme des inverses des racines des entiers jusqu a n =  92.20927791275494
2*sqrt(n) =  93.65895579174476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.38871437842687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.0826843308537

n =  2194
somme des inverses des racines des entiers jusqu a n =  92.23062711681808
2*sqrt(n) =  93.68030742904295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.40961012330779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.10426391436054

n =  2195
somme des inverses des racines des entiers jusqu a n =  92.25197145718278
2*sqrt(n) =  93.70165420097983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.43050121057057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.12583852863446

n =  2196
somme des inverses des racines des entiers jusqu a n =  92.27331093717159
2*sqrt(n) =  93.72299611087985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.45138764335043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.14740817709455

n =  2197
somme des inverses des racines des entiers jusqu a n =  92.29464556010333
2*sqrt(n) =  93.74433316206373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.47226942477911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.16897286315603

n =  2198
somme des inverses des racines des entiers jusqu a n =  92.31597532929301
2*sqrt(n) =  93.76566535784833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.49314655798477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.1905325902301

n =  2199
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somme des inverses des racines des entiers jusqu a n =  92.33730024805189
2*sqrt(n) =  93.78699270154684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.51401904609207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.21208736172422

n =  2200
somme des inverses des racines des entiers jusqu a n =  92.35862031968745
2*sqrt(n) =  93.8083151964686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.53488689222219
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.2336371810418

n =  2201
somme des inverses des racines des entiers jusqu a n =  92.37993554750342
2*sqrt(n) =  93.8296328459192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.55575009949276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.25518205158244

n =  2202
somme des inverses des racines des entiers jusqu a n =  92.40124593479979
2*sqrt(n) =  93.85094565320053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.57660867101791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.27672197674184

n =  2203
somme des inverses des racines des entiers jusqu a n =  92.42255148487278
2*sqrt(n) =  93.87225362161068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.59746260990835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.29825695991185

n =  2204
somme des inverses des racines des entiers jusqu a n =  92.4438522010149
2*sqrt(n) =  93.89355675444402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.61831191927122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.31978700448042

n =  2205
somme des inverses des racines des entiers jusqu a n =  92.4651480865149
2*sqrt(n) =  93.91485505499116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.63915660221022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.34131211383163

n =  2206
somme des inverses des racines des entiers jusqu a n =  92.48643914465782
2*sqrt(n) =  93.93614852653903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.65999666182559
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.36283229134575

n =  2207
somme des inverses des racines des entiers jusqu a n =  92.50772537872497
2*sqrt(n) =  93.95743717237076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.68083210121402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.38434754039912

n =  2208
somme des inverses des racines des entiers jusqu a n =  92.52900679199394
2*sqrt(n) =  93.97872099576584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.70166292346886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.40585786436432

n =  2209
somme des inverses des racines des entiers jusqu a n =  92.55028338773862
2*sqrt(n) =  94.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.7224891316799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.42736326661006
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n =  2210
somme des inverses des racines des entiers jusqu a n =  92.5715551692292
2*sqrt(n) =  94.02127418834527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.74331072893348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.44886375050118

n =  2211
somme des inverses des racines des entiers jusqu a n =  92.59282213973215
2*sqrt(n) =  94.04254356406997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.76412771831254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.4703593193987

n =  2212
somme des inverses des racines des entiers jusqu a n =  92.61408430251028
2*sqrt(n) =  94.06380813043877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.78494010289656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.49184997665988

n =  2213
somme des inverses des racines des entiers jusqu a n =  92.63534166082269
2*sqrt(n) =  94.08506789071261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.80574788576156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.51333572563813

n =  2214
somme des inverses des racines des entiers jusqu a n =  92.6565942179248
2*sqrt(n) =  94.10632284814874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.82655106998016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.53481656968302

n =  2215
somme des inverses des racines des entiers jusqu a n =  92.67784197706837
2*sqrt(n) =  94.12757300600074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.84734965862151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.55629251214036

n =  2216
somme des inverses des racines des entiers jusqu a n =  92.69908494150147
2*sqrt(n) =  94.14881836751856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.86814365475139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.57776355635214

n =  2217
somme des inverses des racines des entiers jusqu a n =  92.72032311446853
2*sqrt(n) =  94.17005893594843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.88893306143213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.59922970565658

n =  2218
somme des inverses des racines des entiers jusqu a n =  92.7415564992103
2*sqrt(n) =  94.19129471453293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.90971788172263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.62069096338809

n =  2219
somme des inverses des racines des entiers jusqu a n =  92.76278509896392
2*sqrt(n) =  94.21252570651102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.93049811867843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.64214733287731

n =  2220
somme des inverses des racines des entiers jusqu a n =  92.78400891696282
2*sqrt(n) =  94.23375191511798
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.95127377535165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.66359881745113

n =  2221
somme des inverses des racines des entiers jusqu a n =  92.80522795643684
2*sqrt(n) =  94.25497334358543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.97204485479101
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.68504542043264

n =  2222
somme des inverses des racines des entiers jusqu a n =  92.82644222061217
2*sqrt(n) =  94.27618999514141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  83.99281136004184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.7064871451412

n =  2223
somme des inverses des racines des entiers jusqu a n =  92.84765171271135
2*sqrt(n) =  94.29740187301027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.01357329414608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.72792399489236

n =  2224
somme des inverses des racines des entiers jusqu a n =  92.86885643595335
2*sqrt(n) =  94.31860898041276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.03433066014229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.74935597299799

n =  2225
somme des inverses des racines des entiers jusqu a n =  92.89005639355348
2*sqrt(n) =  94.33981132056604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.0550834610657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.7707830827662

n =  2226
somme des inverses des racines des entiers jusqu a n =  92.91125158872345
2*sqrt(n) =  94.36100889668359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.0758316999481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.79220532750132

n =  2227
somme des inverses des racines des entiers jusqu a n =  92.93244202467135
2*sqrt(n) =  94.38220171197534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.09657537981798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.81362271050402

n =  2228
somme des inverses des racines des entiers jusqu a n =  92.9536277046017
2*sqrt(n) =  94.40338976964757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.1173145037004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.83503523507116

n =  2229
somme des inverses des racines des entiers jusqu a n =  92.9748086317154
2*sqrt(n) =  94.42457307290302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.13804907461716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.85644290449595

n =  2230
somme des inverses des racines des entiers jusqu a n =  92.99598480920979
2*sqrt(n) =  94.44575162494075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.1587790955866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.87784572206783

n =  2231
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somme des inverses des racines des entiers jusqu a n =  93.01715624027858
2*sqrt(n) =  94.46692542895634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.17950456962382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.8992436910726

n =  2232
somme des inverses des racines des entiers jusqu a n =  93.03832292811195
2*sqrt(n) =  94.48809448814173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.20022549974053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.92063681479232

n =  2233
somme des inverses des racines des entiers jusqu a n =  93.05948487589647
2*sqrt(n) =  94.50925880568528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.22094188894512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.94202509650535

n =  2234
somme des inverses des racines des entiers jusqu a n =  93.08064208681517
2*sqrt(n) =  94.53041838477179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.24165374024265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.96340853948637

n =  2235
somme des inverses des racines des entiers jusqu a n =  93.10179456404752
2*sqrt(n) =  94.55157322858251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.26236105663484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  98.98478714700634

n =  2236
somme des inverses des racines des entiers jusqu a n =  93.12294231076942
2*sqrt(n) =  94.57272334029511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.28306384112012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.0061609223326

n =  2237
somme des inverses des racines des entiers jusqu a n =  93.1440853301532
2*sqrt(n) =  94.59386872308374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.30376209669362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.0275298687288

n =  2238
somme des inverses des racines des entiers jusqu a n =  93.1652236253677
2*sqrt(n) =  94.61500938011896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.32445582634709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.0488939894549

n =  2239
somme des inverses des racines des entiers jusqu a n =  93.1863571995782
2*sqrt(n) =  94.63614531456784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.34514503306909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.07025328776722

n =  2240
somme des inverses des racines des entiers jusqu a n =  93.2074860559464
2*sqrt(n) =  94.65727652959386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.36582971984478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.0916077669184

n =  2241
somme des inverses des racines des entiers jusqu a n =  93.22861019763056
2*sqrt(n) =  94.678403028357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.38650988965607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.11295743015745
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n =  2242
somme des inverses des racines des entiers jusqu a n =  93.24972962778533
2*sqrt(n) =  94.69952481401371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.40718554548161
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.13430228072976

n =  2243
somme des inverses des racines des entiers jusqu a n =  93.2708443495619
2*sqrt(n) =  94.72064188971694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.42785669029674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.15564232187704

n =  2244
somme des inverses des racines des entiers jusqu a n =  93.29195436610793
2*sqrt(n) =  94.74175425861608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.4485233270735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.17697755683737

n =  2245
somme des inverses des racines des entiers jusqu a n =  93.31305968056759
2*sqrt(n) =  94.76286192385707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.46918545878073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.19830798884524

n =  2246
somme des inverses des racines des entiers jusqu a n =  93.33416029608152
2*sqrt(n) =  94.78396488858229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.4898430883839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.21963362113148

n =  2247
somme des inverses des racines des entiers jusqu a n =  93.3552562157869
2*sqrt(n) =  94.80506315593065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.51049621884533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.24095445692332

n =  2248
somme des inverses des racines des entiers jusqu a n =  93.37634744281738
2*sqrt(n) =  94.82615672903758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.531144853124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.26227049944437

n =  2249
somme des inverses des racines des entiers jusqu a n =  93.39743398030316
2*sqrt(n) =  94.847245611035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.5517889941757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.28358175191465

n =  2250
somme des inverses des racines des entiers jusqu a n =  93.41851583137095
2*sqrt(n) =  94.86832980505137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.57242864495291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.3048882175506

n =  2251
somme des inverses des racines des entiers jusqu a n =  93.439592999144
2*sqrt(n) =  94.88940931421166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.59306380840493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.32618989956502

n =  2252
somme des inverses des racines des entiers jusqu a n =  93.46066548674204
2*sqrt(n) =  94.91048414163738
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.6136944874778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.34748680116716

n =  2253
somme des inverses des racines des entiers jusqu a n =  93.48173329728142
2*sqrt(n) =  94.93155429044654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.6343206851143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.36877892556267

n =  2254
somme des inverses des racines des entiers jusqu a n =  93.50279643387498
2*sqrt(n) =  94.95261976375376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.65494240425404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.39006627595361

n =  2255
somme des inverses des racines des entiers jusqu a n =  93.52385489963211
2*sqrt(n) =  94.97368056467013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.67555964783335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.41134885553852

n =  2256
somme des inverses des racines des entiers jusqu a n =  93.54490869765877
2*sqrt(n) =  94.99473669630333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.6961724187854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.43262666751231

n =  2257
somme des inverses des racines des entiers jusqu a n =  93.56595783105747
2*sqrt(n) =  95.01578816175763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.71678072004009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.45389971506638

n =  2258
somme des inverses des racines des entiers jusqu a n =  93.5870023029273
2*sqrt(n) =  95.03683496413377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.73738455452417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.47516800138857

n =  2259
somme des inverses des racines des entiers jusqu a n =  93.60804211636389
2*sqrt(n) =  95.05787710652916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.75798392516117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.49643152966316

n =  2260
somme des inverses des racines des entiers jusqu a n =  93.62907727445948
2*sqrt(n) =  95.0789145920377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.77857883487138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.51769030307086

n =  2261
somme des inverses des racines des entiers jusqu a n =  93.65010778030285
2*sqrt(n) =  95.09994742374992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.79916928657195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.5389443247889

n =  2262
somme des inverses des racines des entiers jusqu a n =  93.6711336369794
2*sqrt(n) =  95.12097560475291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.81975528317685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.56019359799095

n =  2263
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somme des inverses des racines des entiers jusqu a n =  93.69215484757113
2*sqrt(n) =  95.14199913813037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.84033682759684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.58143812584714

n =  2264
somme des inverses des racines des entiers jusqu a n =  93.7131714151566
2*sqrt(n) =  95.16301802696255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.86091392273948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.60267791152408

n =  2265
somme des inverses des racines des entiers jusqu a n =  93.73418334281097
2*sqrt(n) =  95.18403227432636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.88148657150923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.62391295818492

n =  2266
somme des inverses des racines des entiers jusqu a n =  93.75519063360605
2*sqrt(n) =  95.20504188329524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.90205477680729
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.64514326898922

n =  2267
somme des inverses des racines des entiers jusqu a n =  93.77619329061022
2*sqrt(n) =  95.2260468569393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.92261854153178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.66636884709307

n =  2268
somme des inverses des racines des entiers jusqu a n =  93.79719131688852
2*sqrt(n) =  95.24704719832526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.94317786857762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.68758969564908

n =  2269
somme des inverses des racines des entiers jusqu a n =  93.81818471550255
2*sqrt(n) =  95.26804291051643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.96373276083659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.70880581780635

n =  2270
somme des inverses des racines des entiers jusqu a n =  93.83917348951061
2*sqrt(n) =  95.28903399657277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  84.98428322119733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.7300172167105

n =  2271
somme des inverses des racines des entiers jusqu a n =  93.86015764196759
2*sqrt(n) =  95.31002045955084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.00482925254529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.75122389550361

n =  2272
somme des inverses des racines des entiers jusqu a n =  93.881137175925
2*sqrt(n) =  95.33100230250388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.02537085776284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.7724258573244

n =  2273
somme des inverses des racines des entiers jusqu a n =  93.90211209443105
2*sqrt(n) =  95.35197952848173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.0459080397292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.793623105308
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n =  2274
somme des inverses des racines des entiers jusqu a n =  93.92308240053055
2*sqrt(n) =  95.37295214053091
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.06644080132044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.81481564258615

n =  2275
somme des inverses des racines des entiers jusqu a n =  93.94404809726498
2*sqrt(n) =  95.39392014169457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.08696914540951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.83600347228709

n =  2276
somme des inverses des racines des entiers jusqu a n =  93.96500918767249
2*sqrt(n) =  95.4148835350125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.10749307486628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.85718659753562

n =  2277
somme des inverses des racines des entiers jusqu a n =  93.98596567478789
2*sqrt(n) =  95.4358423235212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.12801259255747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.87836502145306

n =  2278
somme des inverses des racines des entiers jusqu a n =  94.00691756164264
2*sqrt(n) =  95.4567965102538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.14852770134667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.89953874715735

n =  2279
somme des inverses des racines des entiers jusqu a n =  94.0278648512649
2*sqrt(n) =  95.47774609824009
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.16903840409441
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.92070777776293

n =  2280
somme des inverses des racines des entiers jusqu a n =  94.04880754667948
2*sqrt(n) =  95.49869109050658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.1895447036581
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.94187211638082

n =  2281
somme des inverses des racines des entiers jusqu a n =  94.0697456509079
2*sqrt(n) =  95.51963149007642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.21004660289204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.9630317661186

n =  2282
somme des inverses des racines des entiers jusqu a n =  94.09067916696837
2*sqrt(n) =  95.5405672999695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.23054410464748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  99.9841867300805

n =  2283
somme des inverses des racines des entiers jusqu a n =  94.11160809787577
2*sqrt(n) =  95.56149852320232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.25103721177253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.0053370113672

n =  2284
somme des inverses des racines des entiers jusqu a n =  94.1325324466417
2*sqrt(n) =  95.58242516278817
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.27152592711228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.02648261307611

n =  2285
somme des inverses des racines des entiers jusqu a n =  94.15345221627447
2*sqrt(n) =  95.60334722173695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.29201025350865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.0476235383011

n =  2286
somme des inverses des racines des entiers jusqu a n =  94.17436740977908
2*sqrt(n) =  95.62426470305536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.31249019380061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.06875979013273

n =  2287
somme des inverses des racines des entiers jusqu a n =  94.19527803015725
2*sqrt(n) =  95.64517760974674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.33296575082396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.08989137165813

n =  2288
somme des inverses des racines des entiers jusqu a n =  94.21618408040743
2*sqrt(n) =  95.66608594481119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.35343692741151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.11101828596102

n =  2289
somme des inverses des racines des entiers jusqu a n =  94.23708556352479
2*sqrt(n) =  95.68698971124549
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.37390372639292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.13214053612177

n =  2290
somme des inverses des racines des entiers jusqu a n =  94.25798248250122
2*sqrt(n) =  95.70788891204319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.3943661505949
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.15325812521732

n =  2291
somme des inverses des racines des entiers jusqu a n =  94.27887484032536
2*sqrt(n) =  95.72878355019456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.41482420284107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.1743710563213

n =  2292
somme des inverses des racines des entiers jusqu a n =  94.29976263998257
2*sqrt(n) =  95.7496736286866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.43527788595196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.19547933250391

n =  2293
somme des inverses des racines des entiers jusqu a n =  94.32064588445499
2*sqrt(n) =  95.77055915050303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.45572720274514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.21658295683199

n =  2294
somme des inverses des racines des entiers jusqu a n =  94.34152457672147
2*sqrt(n) =  95.79144011862438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.47617215603506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.23768193236903

n =  2295
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somme des inverses des racines des entiers jusqu a n =  94.36239871975764
2*sqrt(n) =  95.81231653602788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.49661274863324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.2587762621752

n =  2296
somme des inverses des racines des entiers jusqu a n =  94.38326831653588
2*sqrt(n) =  95.83318840568751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.51704898334806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.27986594930724

n =  2297
somme des inverses des racines des entiers jusqu a n =  94.40413337002533
2*sqrt(n) =  95.85405573057407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.53748086298498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.30095099681861

n =  2298
somme des inverses des racines des entiers jusqu a n =  94.42499388319193
2*sqrt(n) =  95.87491851365508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.55790839034638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.32203140775943

n =  2299
somme des inverses des racines des entiers jusqu a n =  94.44584985899834
2*sqrt(n) =  95.89577675789482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.57833156823165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.34310718517641

n =  2300
somme des inverses des racines des entiers jusqu a n =  94.46670130040405
2*sqrt(n) =  95.91663046625439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.59875039943715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.364178332113

n =  2301
somme des inverses des racines des entiers jusqu a n =  94.4875482103653
2*sqrt(n) =  95.93747964169165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.6191648867563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.38524485160933

n =  2302
somme des inverses des racines des entiers jusqu a n =  94.50839059183515
2*sqrt(n) =  95.95832428716125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.63957503297942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.40630674670216

n =  2303
somme des inverses des racines des entiers jusqu a n =  94.52922844776342
2*sqrt(n) =  95.97916440561461
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.65998084089394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.42736402042495

n =  2304
somme des inverses des racines des entiers jusqu a n =  94.55006178109674
2*sqrt(n) =  96.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.68038231328423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.44841667580789

n =  2305
somme des inverses des racines des entiers jusqu a n =  94.57089059477858
2*sqrt(n) =  96.02083107326243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.70077945293168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.46946471587779
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n =  2306
somme des inverses des racines des entiers jusqu a n =  94.59171489174916
2*sqrt(n) =  96.04165762834376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.72117226261476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.49050814365826

n =  2307
somme des inverses des racines des entiers jusqu a n =  94.61253467494556
2*sqrt(n) =  96.06247966818262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.74156074510887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.51154696216949

n =  2308
somme des inverses des racines des entiers jusqu a n =  94.63334994730165
2*sqrt(n) =  96.08329719571451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.76194490318652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.5325811744285

n =  2309
somme des inverses des racines des entiers jusqu a n =  94.65416071174813
2*sqrt(n) =  96.1041102138717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.78232473961721
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.55361078344895

n =  2310
somme des inverses des racines des entiers jusqu a n =  94.67496697121254
2*sqrt(n) =  96.12491872558333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.80270025716749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.57463579224124

n =  2311
somme des inverses des racines des entiers jusqu a n =  94.69576872861924
2*sqrt(n) =  96.14572273377532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.82307145860094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.5956562038125

n =  2312
somme des inverses des racines des entiers jusqu a n =  94.71656598688944
2*sqrt(n) =  96.16652224137046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.8434383466782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.6166720211666

n =  2313
somme des inverses des racines des entiers jusqu a n =  94.73735874894116
2*sqrt(n) =  96.18731725128839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.86380092415696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.63768324730411

n =  2314
somme des inverses des racines des entiers jusqu a n =  94.75814701768931
2*sqrt(n) =  96.20810776644555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.88415919379193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.65868988522236

n =  2315
somme des inverses des racines des entiers jusqu a n =  94.77893079604563
2*sqrt(n) =  96.22889378975526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.90451315833494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.67969193791542

n =  2316
somme des inverses des racines des entiers jusqu a n =  94.79971008691871
2*sqrt(n) =  96.24967532412772
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.92486282053484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.70068940837416

n =  2317
somme des inverses des racines des entiers jusqu a n =  94.82048489321402
2*sqrt(n) =  96.27045237246992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.94520818313755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.7216822995861

n =  2318
somme des inverses des racines des entiers jusqu a n =  94.84125521783388
2*sqrt(n) =  96.29122493768578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.96554924888609
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.74267061453563

n =  2319
somme des inverses des racines des entiers jusqu a n =  94.86202106367749
2*sqrt(n) =  96.31199302267605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  85.98588602052052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.76365435620382

n =  2320
somme des inverses des racines des entiers jusqu a n =  94.88278243364093
2*sqrt(n) =  96.33275663033837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.00621850077802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.78463352756854

n =  2321
somme des inverses des racines des entiers jusqu a n =  94.90353933061714
2*sqrt(n) =  96.35351576356723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.0265466923928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.80560813160444

n =  2322
somme des inverses des racines des entiers jusqu a n =  94.92429175749596
2*sqrt(n) =  96.37427042525407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.04687059809623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.82657817128297

n =  2323
somme des inverses des racines des entiers jusqu a n =  94.94503971716412
2*sqrt(n) =  96.39502061828712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.06719022061671
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.84754364957232

n =  2324
somme des inverses des racines des entiers jusqu a n =  94.96578321250524
2*sqrt(n) =  96.4157663455516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.08750556267981
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.8685045694375

n =  2325
somme des inverses des racines des entiers jusqu a n =  94.98652224639986
2*sqrt(n) =  96.43650760992955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.10781662700809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.88946093384027

n =  2326
somme des inverses des racines des entiers jusqu a n =  95.00725682172538
2*sqrt(n) =  96.45724441429995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.12812341632134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.91041274573925

n =  2327
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somme des inverses des racines des entiers jusqu a n =  95.02798694135613
2*sqrt(n) =  96.4779767615387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.14842593333641
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.93136000808984

n =  2328
somme des inverses des racines des entiers jusqu a n =  95.04871260816337
2*sqrt(n) =  96.49870465451855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.16872418076723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.95230272384421

n =  2329
somme des inverses des racines des entiers jusqu a n =  95.06943382501527
2*sqrt(n) =  96.51942809610924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.1890181613249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.9732408959514

n =  2330
somme des inverses des racines des entiers jusqu a n =  95.09015059477689
2*sqrt(n) =  96.54014708917737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.20930787771762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  100.99417452735723

n =  2331
somme des inverses des racines des entiers jusqu a n =  95.11086292031025
2*sqrt(n) =  96.56086163658648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.22959333265072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.01510362100436

n =  2332
somme des inverses des racines des entiers jusqu a n =  95.13157080447432
2*sqrt(n) =  96.5815717411971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.24987452882672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.03602817983229

n =  2333
somme des inverses des racines des entiers jusqu a n =  95.15227425012496
2*sqrt(n) =  96.60227740586657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.27015146894514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.05694820677728

n =  2334
somme des inverses des racines des entiers jusqu a n =  95.17297326011499
2*sqrt(n) =  96.6229786334493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.29042415570281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.07786370477255

n =  2335
somme des inverses des racines des entiers jusqu a n =  95.19366783729417
2*sqrt(n) =  96.64367542679655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.31069259179355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.09877467674804

n =  2336
somme des inverses des racines des entiers jusqu a n =  95.21435798450923
2*sqrt(n) =  96.66436778875658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.33095677990846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.11968112563063

n =  2337
somme des inverses des racines des entiers jusqu a n =  95.23504370460384
2*sqrt(n) =  96.68505572217457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.35121672273571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.14058305434399
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n =  2338
somme des inverses des racines des entiers jusqu a n =  95.25572500041862
2*sqrt(n) =  96.70573922989266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.37147242296065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.16148046580867

n =  2339
somme des inverses des racines des entiers jusqu a n =  95.27640187479116
2*sqrt(n) =  96.72641831474998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.3917238832658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.18237336294206

n =  2340
somme des inverses des racines des entiers jusqu a n =  95.29707433055603
2*sqrt(n) =  96.74709297958259
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.41197110633085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.20326174865846

n =  2341
somme des inverses des racines des entiers jusqu a n =  95.31774237054476
2*sqrt(n) =  96.76776322722355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.43221409483264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.224145625869

n =  2342
somme des inverses des racines des entiers jusqu a n =  95.33840599758587
2*sqrt(n) =  96.78842906050289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.45245285144523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.24502499748172

n =  2343
somme des inverses des racines des entiers jusqu a n =  95.35906521450482
2*sqrt(n) =  96.80909048224758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.4726873788398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.26589986640148

n =  2344
somme des inverses des racines des entiers jusqu a n =  95.37972002412413
2*sqrt(n) =  96.82974749528164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.49291767968474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.28677023553008

n =  2345
somme des inverses des racines des entiers jusqu a n =  95.40037042926323
2*sqrt(n) =  96.85040010242601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.51314375664563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.3076361077662

n =  2346
somme des inverses des racines des entiers jusqu a n =  95.42101643273861
2*sqrt(n) =  96.87104830649868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.53336561238527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.32849748600539

n =  2347
somme des inverses des racines des entiers jusqu a n =  95.44165803736374
2*sqrt(n) =  96.8916921103146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.55358324956357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.3493543731401

n =  2348
somme des inverses des racines des entiers jusqu a n =  95.46229524594906
2*sqrt(n) =  96.91233151668574
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.57379667083775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.37020677205973

n =  2349
somme des inverses des racines des entiers jusqu a n =  95.48292806130208
2*sqrt(n) =  96.93296652842108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.59400587886216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.39105468565053

n =  2350
somme des inverses des racines des entiers jusqu a n =  95.50355648622725
2*sqrt(n) =  96.95359714832658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.61421087628838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.41189811679568

n =  2351
somme des inverses des racines des entiers jusqu a n =  95.52418052352611
2*sqrt(n) =  96.97422337920526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.63441166576519
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.43273706837529

n =  2352
somme des inverses des racines des entiers jusqu a n =  95.54480017599717
2*sqrt(n) =  96.99484522385713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.65460824993862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.45357154326638

n =  2353
somme des inverses des racines des entiers jusqu a n =  95.56541544643599
2*sqrt(n) =  97.01546268507923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.67480063145187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.47440154434291

n =  2354
somme des inverses des racines des entiers jusqu a n =  95.58602633763516
2*sqrt(n) =  97.03607576566563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.69498881294541
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.49522707447574

n =  2355
somme des inverses des racines des entiers jusqu a n =  95.6066328523843
2*sqrt(n) =  97.05668446840743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.71517279705691
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.51604813653267

n =  2356
somme des inverses des racines des entiers jusqu a n =  95.62723499347005
2*sqrt(n) =  97.07728879609277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.7353525864213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.53686473337851

n =  2357
somme des inverses des racines des entiers jusqu a n =  95.64783276367615
2*sqrt(n) =  97.09788875150684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.75552818367072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.5576768678749

n =  2358
somme des inverses des racines des entiers jusqu a n =  95.66842616578332
2*sqrt(n) =  97.11848433743187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.77569959143456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.57848454288052

n =  2359
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somme des inverses des racines des entiers jusqu a n =  95.68901520256938
2*sqrt(n) =  97.13907555664713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.79586681233945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.59928776125096

n =  2360
somme des inverses des racines des entiers jusqu a n =  95.7095998768092
2*sqrt(n) =  97.15966241192895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.8160298490093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.62008652583877

n =  2361
somme des inverses des racines des entiers jusqu a n =  95.73018019127468
2*sqrt(n) =  97.18024490605073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.83618870406522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.64088083949348

n =  2362
somme des inverses des racines des entiers jusqu a n =  95.75075614873484
2*sqrt(n) =  97.20082304178294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.85634338012564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.6616707050616

n =  2363
somme des inverses des racines des entiers jusqu a n =  95.77132775195572
2*sqrt(n) =  97.22139682189307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.87649387980616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.68245612538651

n =  2364
somme des inverses des racines des entiers jusqu a n =  95.79189500370046
2*sqrt(n) =  97.24196624914575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.89664020571976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.70323710330874

n =  2365
somme des inverses des racines des entiers jusqu a n =  95.81245790672928
2*sqrt(n) =  97.26253132630262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.91678236047659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.72401364166564

n =  2366
somme des inverses des racines des entiers jusqu a n =  95.83301646379947
2*sqrt(n) =  97.28309205612247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.93692034668415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.74478574329163

n =  2367
somme des inverses des racines des entiers jusqu a n =  95.8535706776654
2*sqrt(n) =  97.30364844136113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.95705416694716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.76555341101812

n =  2368
somme des inverses des racines des entiers jusqu a n =  95.87412055107858
2*sqrt(n) =  97.32420048477151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.97718382386762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.78631664767346

n =  2369
somme des inverses des racines des entiers jusqu a n =  95.89466608678755
2*sqrt(n) =  97.34474818910365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  86.99730932004488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.80707545608304
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n =  2370
somme des inverses des racines des entiers jusqu a n =  95.915207287538
2*sqrt(n) =  97.36529155710468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.01743065807551
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.82782983906927

n =  2371
somme des inverses des racines des entiers jusqu a n =  95.93574415607269
2*sqrt(n) =  97.38583059151881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.03754784055342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.84857979945151

n =  2372
somme des inverses des racines des entiers jusqu a n =  95.95627669513152
2*sqrt(n) =  97.40636529508737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.05766087006975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.86932534004617

n =  2373
somme des inverses des racines des entiers jusqu a n =  95.97680490745148
2*sqrt(n) =  97.4268956705488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.07776974921305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.89006646366668

n =  2374
somme des inverses des racines des entiers jusqu a n =  95.99732879576669
2*sqrt(n) =  97.44742172063866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.09787448056905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.91080317312345

n =  2375
somme des inverses des racines des entiers jusqu a n =  96.0178483628084
2*sqrt(n) =  97.46794344808964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.1179750667209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.93153547122401

n =  2376
somme des inverses des racines des entiers jusqu a n =  96.03836361130494
2*sqrt(n) =  97.48846085563153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.138071510249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.95226336077279

n =  2377
somme des inverses des racines des entiers jusqu a n =  96.05887454398184
2*sqrt(n) =  97.50897394599124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.15816381373105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.97298684457134

n =  2378
somme des inverses des racines des entiers jusqu a n =  96.07938116356172
2*sqrt(n) =  97.52948272189288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.17825197974216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  101.99370592541824

n =  2379
somme des inverses des racines des entiers jusqu a n =  96.09988347276433
2*sqrt(n) =  97.54998718605759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.19833601085463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.01442060610907

n =  2380
somme des inverses des racines des entiers jusqu a n =  96.1203814743066
2*sqrt(n) =  97.57048734120374
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.21841590963822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.0351308894365

n =  2381
somme des inverses des racines des entiers jusqu a n =  96.14087517090258
2*sqrt(n) =  97.59098319004681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.23849167865995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.05583677819024

n =  2382
somme des inverses des racines des entiers jusqu a n =  96.16136456526347
2*sqrt(n) =  97.61147473529944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.2585633204842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.07653827515706

n =  2383
somme des inverses des racines des entiers jusqu a n =  96.18184966009764
2*sqrt(n) =  97.63196197967139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.27863083767265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.09723538312076

n =  2384
somme des inverses des racines des entiers jusqu a n =  96.20233045811062
2*sqrt(n) =  97.65244492586962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.29869423278438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.11792810486223

n =  2385
somme des inverses des racines des entiers jusqu a n =  96.2228069620051
2*sqrt(n) =  97.67292357659824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.3187535083758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.13861644315945

n =  2386
somme des inverses des racines des entiers jusqu a n =  96.2432791744809
2*sqrt(n) =  97.6933979345585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.33880866700065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.15930040078743

n =  2387
somme des inverses des racines des entiers jusqu a n =  96.26374709823509
2*sqrt(n) =  97.71386800244886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.35885971121003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.17997998051827

n =  2388
somme des inverses des racines des entiers jusqu a n =  96.28421073596184
2*sqrt(n) =  97.73433378296492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.37890664355244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.20065518512116

n =  2389
somme des inverses des racines des entiers jusqu a n =  96.30467009035254
2*sqrt(n) =  97.75479527879949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.39894946657368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.22132601736239

n =  2390
somme des inverses des racines des entiers jusqu a n =  96.32512516409578
2*sqrt(n) =  97.77525249264254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.41898818281699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.24199248000531

n =  2391
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somme des inverses des racines des entiers jusqu a n =  96.3455759598773
2*sqrt(n) =  97.7957054271812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.43902279482289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.26265457581036

n =  2392
somme des inverses des racines des entiers jusqu a n =  96.36602248038004
2*sqrt(n) =  97.81615408509987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.45905330512934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.28331230753513

n =  2393
somme des inverses des racines des entiers jusqu a n =  96.38646472828415
2*sqrt(n) =  97.83659846908007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.4790797162717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.30396567793426

n =  2394
somme des inverses des racines des entiers jusqu a n =  96.40690270626699
2*sqrt(n) =  97.85703858180054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.49910203078262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.32461468975949

n =  2395
somme des inverses des racines des entiers jusqu a n =  96.42733641700309
2*sqrt(n) =  97.87747442593725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.51912025119223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.34525934575976

n =  2396
somme des inverses des racines des entiers jusqu a n =  96.44776586316422
2*sqrt(n) =  97.89790600416333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.539134380028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.365899648681

n =  2397
somme des inverses des racines des entiers jusqu a n =  96.46819104741937
2*sqrt(n) =  97.91833331914918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.5591444198148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.38653560126637

n =  2398
somme des inverses des racines des entiers jusqu a n =  96.48861197243471
2*sqrt(n) =  97.93875637356236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.5791503730749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.40716720625608

n =  2399
somme des inverses des racines des entiers jusqu a n =  96.50902864087365
2*sqrt(n) =  97.95917517006765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.59915224232796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.4277944663875

n =  2400
somme des inverses des racines des entiers jusqu a n =  96.52944105539684
2*sqrt(n) =  97.97958971132712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.61915003009109
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.44841738439514

n =  2401
somme des inverses des racines des entiers jusqu a n =  96.54984921866215
2*sqrt(n) =  98.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.63914373887876
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.46903596301063
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n =  2402
somme des inverses des racines des entiers jusqu a n =  96.57025313332467
2*sqrt(n) =  98.02040603874276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.65913337120284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.48965020496273

n =  2403
somme des inverses des racines des entiers jusqu a n =  96.59065280203674
2*sqrt(n) =  98.04080783020915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.67911892957268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.51026011297738

n =  2404
somme des inverses des racines des entiers jusqu a n =  96.61104822744794
2*sqrt(n) =  98.0612053770501
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.69910041649501
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.53086568977764

n =  2405
somme des inverses des racines des entiers jusqu a n =  96.6314394122051
2*sqrt(n) =  98.08159868191383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.71907783447398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.55146693808376

n =  2406
somme des inverses des racines des entiers jusqu a n =  96.65182635895228
2*sqrt(n) =  98.10198774744578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.73905118601115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.57206386061308

n =  2407
somme des inverses des racines des entiers jusqu a n =  96.67220907033082
2*sqrt(n) =  98.12237257628864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.75902047360557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.59265646008018

n =  2408
somme des inverses des racines des entiers jusqu a n =  96.6925875489793
2*sqrt(n) =  98.14275317108238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.77898569975366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.61324473919673

n =  2409
somme des inverses des racines des entiers jusqu a n =  96.71296179753357
2*sqrt(n) =  98.16312953446422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.79894686694935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.63382870067164

n =  2410
somme des inverses des racines des entiers jusqu a n =  96.73333181862674
2*sqrt(n) =  98.18350166906862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.81890397768392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.65440834721096

n =  2411
somme des inverses des racines des entiers jusqu a n =  96.75369761488919
2*sqrt(n) =  98.20386957752734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.83885703444618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.67498368151793

n =  2412
somme des inverses des racines des entiers jusqu a n =  96.77405918894857
2*sqrt(n) =  98.2242332624694
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.85880603972232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.69555470629292

n =  2413
somme des inverses des racines des entiers jusqu a n =  96.79441654342982
2*sqrt(n) =  98.24459272652109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.87875099599606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.7161214242336

n =  2414
somme des inverses des racines des entiers jusqu a n =  96.81476968095515
2*sqrt(n) =  98.26494797230598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.8986919057485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.73668383803471

n =  2415
somme des inverses des racines des entiers jusqu a n =  96.83511860414406
2*sqrt(n) =  98.28529900244492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.91862877145824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.75724195038825

n =  2416
somme des inverses des racines des entiers jusqu a n =  96.85546331561333
2*sqrt(n) =  98.30564581955606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.93856159560136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.7777957639834

n =  2417
somme des inverses des racines des entiers jusqu a n =  96.87580381797706
2*sqrt(n) =  98.32598842625484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.95849038065136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.79834528150657

n =  2418
somme des inverses des racines des entiers jusqu a n =  96.89614011384661
2*sqrt(n) =  98.34632682515398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.97841512907925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.81889050564135

n =  2419
somme des inverses des racines des entiers jusqu a n =  96.91647220583067
2*sqrt(n) =  98.3666610188635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  87.99833584335347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.8394314390685

n =  2420
somme des inverses des racines des entiers jusqu a n =  96.93680009653522
2*sqrt(n) =  98.38699100999075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.01825252594003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.85996808446612

n =  2421
somme des inverses des racines des entiers jusqu a n =  96.95712378856355
2*sqrt(n) =  98.40731680114035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.0381651793023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.88050044450938

n =  2422
somme des inverses des racines des entiers jusqu a n =  96.97744328451626
2*sqrt(n) =  98.42763839491425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.05807380590122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.90102852187077

n =  2423
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somme des inverses des racines des entiers jusqu a n =  96.99775858699127
2*sqrt(n) =  98.44795579391175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.07797840819522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.92155231922

n =  2424
somme des inverses des racines des entiers jusqu a n =  97.01806969858383
2*sqrt(n) =  98.46826900072936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.09787898864016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.94207183922396

n =  2425
somme des inverses des racines des entiers jusqu a n =  97.0383766218865
2*sqrt(n) =  98.48857801796105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.11777554968947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.96258708454684

n =  2426
somme des inverses des racines des entiers jusqu a n =  97.05867935948918
2*sqrt(n) =  98.50888284819801
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.13766809379402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  102.98309805785

n =  2427
somme des inverses des racines des entiers jusqu a n =  97.07897791397909
2*sqrt(n) =  98.52918349402881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.15755662340221
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.0036047617921

n =  2428
somme des inverses des racines des entiers jusqu a n =  97.09927228794079
2*sqrt(n) =  98.54947995803936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.17744114095997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.02410719902905

n =  2429
somme des inverses des racines des entiers jusqu a n =  97.11956248395619
2*sqrt(n) =  98.56977224281286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.19732164891069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.04460537221394

n =  2430
somme des inverses des racines des entiers jusqu a n =  97.13984850460453
2*sqrt(n) =  98.5900603509299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.21719814969532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.0650992839972

n =  2431
somme des inverses des racines des entiers jusqu a n =  97.1601303524624
2*sqrt(n) =  98.6103442849684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.23707064575228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.08558893702646

n =  2432
somme des inverses des racines des entiers jusqu a n =  97.18040803010375
2*sqrt(n) =  98.63062404750362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.25693913951756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.10607433394664

n =  2433
somme des inverses des racines des entiers jusqu a n =  97.20068154009986
2*sqrt(n) =  98.6508996411082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.27680363342468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.12655547739995
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n =  2434
somme des inverses des racines des entiers jusqu a n =  97.2209508850194
2*sqrt(n) =  98.67117106835208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.29666412990461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.14703237002581

n =  2435
somme des inverses des racines des entiers jusqu a n =  97.2412160674284
2*sqrt(n) =  98.69143833180262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.31652063138593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.16750501446096

n =  2436
somme des inverses des racines des entiers jusqu a n =  97.26147708989022
2*sqrt(n) =  98.71170143402453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.33637314029475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.18797341333942

n =  2437
somme des inverses des racines des entiers jusqu a n =  97.28173395496563
2*sqrt(n) =  98.73196037757987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.35622165905467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.20843756929247

n =  2438
somme des inverses des racines des entiers jusqu a n =  97.30198666521277
2*sqrt(n) =  98.75221516502808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.37606619008686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.22889748494867

n =  2439
somme des inverses des racines des entiers jusqu a n =  97.32223522318712
2*sqrt(n) =  98.77246579892596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.39590673581004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.24935316293391

n =  2440
somme des inverses des racines des entiers jusqu a n =  97.34247963144159
2*sqrt(n) =  98.79271228182775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.4157432986405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.26980460587137

n =  2441
somme des inverses des racines des entiers jusqu a n =  97.36271989252646
2*sqrt(n) =  98.812954616285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.43557588099205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.29025181638147

n =  2442
somme des inverses des racines des entiers jusqu a n =  97.38295600898937
2*sqrt(n) =  98.83319280484669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.45540448527605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.31069479708201

n =  2443
somme des inverses des racines des entiers jusqu a n =  97.40318798337537
2*sqrt(n) =  98.85342685005918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.47522911390145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.33113355058805

n =  2444
somme des inverses des racines des entiers jusqu a n =  97.42341581822694
2*sqrt(n) =  98.8736567544662
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.49504976927471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.35156807951194

n =  2445
somme des inverses des racines des entiers jusqu a n =  97.44363951608392
2*sqrt(n) =  98.89388252060893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.51486645379995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.3719983864634

n =  2446
somme des inverses des racines des entiers jusqu a n =  97.46385907948356
2*sqrt(n) =  98.91410415102591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.5346791698788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.39242447404946

n =  2447
somme des inverses des racines des entiers jusqu a n =  97.48407451096051
2*sqrt(n) =  98.93432164825309
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.55448791991043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.41284634487442

n =  2448
somme des inverses des racines des entiers jusqu a n =  97.50428581304688
2*sqrt(n) =  98.95453501482385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.57429270629163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.43326400153995

n =  2449
somme des inverses des racines des entiers jusqu a n =  97.52449298827213
2*sqrt(n) =  98.97474425326898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.59409353141682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.45367744664506

n =  2450
somme des inverses des racines des entiers jusqu a n =  97.54469603916317
2*sqrt(n) =  98.99494936611666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.61389039767789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.47408668278604

n =  2451
somme des inverses des racines des entiers jusqu a n =  97.56489496824435
2*sqrt(n) =  99.0151503558925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.6336833074644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.49449171255655

n =  2452
somme des inverses des racines des entiers jusqu a n =  97.5850897780374
2*sqrt(n) =  99.03534722511958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.65347226316348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.51489253854763

n =  2453
somme des inverses des racines des entiers jusqu a n =  97.60528047106152
2*sqrt(n) =  99.05553997631834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.67325726715985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.53528916334758

n =  2454
somme des inverses des racines des entiers jusqu a n =  97.62546704983332
2*sqrt(n) =  99.07572861200669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.69303832183583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.5556815895421

n =  2455
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somme des inverses des racines des entiers jusqu a n =  97.64564951686687
2*sqrt(n) =  99.09591313469996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.71281542957134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.57606981971426

n =  2456
somme des inverses des racines des entiers jusqu a n =  97.66582787467365
2*sqrt(n) =  99.11609354691093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.73258859274391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.59645385644444

n =  2457
somme des inverses des racines des entiers jusqu a n =  97.68600212576261
2*sqrt(n) =  99.13626985114983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.75235781372866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.61683370231042

n =  2458
somme des inverses des racines des entiers jusqu a n =  97.70617227264015
2*sqrt(n) =  99.15644204992432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.77212309489835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.63720935988731

n =  2459
somme des inverses des racines des entiers jusqu a n =  97.72633831781008
2*sqrt(n) =  99.1766101457395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.79188443862331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.6575808317476

n =  2460
somme des inverses des racines des entiers jusqu a n =  97.74650026377371
2*sqrt(n) =  99.19677414109796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.81164184727156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.67794812046117

n =  2461
somme des inverses des racines des entiers jusqu a n =  97.7666581130298
2*sqrt(n) =  99.2169340384997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.83139532320865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.69831122859523

n =  2462
somme des inverses des racines des entiers jusqu a n =  97.78681186807458
2*sqrt(n) =  99.23708984044222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.85114486879783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.71867015871442

n =  2463
somme des inverses des racines des entiers jusqu a n =  97.80696153140171
2*sqrt(n) =  99.25724154942047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.87089048639994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.73902491338073

n =  2464
somme des inverses des racines des entiers jusqu a n =  97.82710710550235
2*sqrt(n) =  99.27738916792686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.89063217837345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.75937549515356

n =  2465
somme des inverses des racines des entiers jusqu a n =  97.84724859286511
2*sqrt(n) =  99.29753269845128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.91036994707449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.77972190658967
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n =  2466
somme des inverses des racines des entiers jusqu a n =  97.86738599597612
2*sqrt(n) =  99.31767214348109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.9301037948568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.80006415024323

n =  2467
somme des inverses des racines des entiers jusqu a n =  97.88751931731895
2*sqrt(n) =  99.33780750550115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.9498337240718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.82040222866581

n =  2468
somme des inverses des racines des entiers jusqu a n =  97.90764855937466
2*sqrt(n) =  99.35793878699377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.9695597370685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.8407361444064

n =  2469
somme des inverses des racines des entiers jusqu a n =  97.92777372462182
2*sqrt(n) =  99.37806599043876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  88.98928183619358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.86106590001134

n =  2470
somme des inverses des racines des entiers jusqu a n =  97.94789481553646
2*sqrt(n) =  99.39818911831343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.0090000237914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.88139149802443

n =  2471
somme des inverses des racines des entiers jusqu a n =  97.96801183459212
2*sqrt(n) =  99.41830817309254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.02871430220394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.90171294098684

n =  2472
somme des inverses des racines des entiers jusqu a n =  97.98812478425985
2*sqrt(n) =  99.43842315724842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.04842467377085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.9220302314372

n =  2473
somme des inverses des racines des entiers jusqu a n =  98.00823366700818
2*sqrt(n) =  99.45853407325085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.06813114082944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.94234337191155

n =  2474
somme des inverses des racines des entiers jusqu a n =  98.02833848530317
2*sqrt(n) =  99.4786409235671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.08783370571467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.96265236494331

n =  2475
somme des inverses des racines des entiers jusqu a n =  98.04843924160835
2*sqrt(n) =  99.498743710662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.10753237075922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  103.98295721306339

n =  2476
somme des inverses des racines des entiers jusqu a n =  98.0685359383848
2*sqrt(n) =  99.51884243699783
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.12722713829335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.00325791880007

n =  2477
somme des inverses des racines des entiers jusqu a n =  98.0886285780911
2*sqrt(n) =  99.53893710503444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.14691801064508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.02355448467911

n =  2478
somme des inverses des racines des entiers jusqu a n =  98.10871716318336
2*sqrt(n) =  99.55902771722914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.16660499014006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.04384691322367

n =  2479
somme des inverses des racines des entiers jusqu a n =  98.12880169611519
2*sqrt(n) =  99.57911427603682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.18628807910163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.0641352069544

n =  2480
somme des inverses des racines des entiers jusqu a n =  98.14888217933775
2*sqrt(n) =  99.59919678390986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.20596727985084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.08441936838938

n =  2481
somme des inverses des racines des entiers jusqu a n =  98.16895861529972
2*sqrt(n) =  99.61927524329818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.22564259470639
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.10469940004407

n =  2482
somme des inverses des racines des entiers jusqu a n =  98.18903100644731
2*sqrt(n) =  99.6393496566492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.24531402598465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.12497530443147

n =  2483
somme des inverses des racines des entiers jusqu a n =  98.20909935522427
2*sqrt(n) =  99.65942002640794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.26498157599978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.14524708406202

n =  2484
somme des inverses des racines des entiers jusqu a n =  98.22916366407189
2*sqrt(n) =  99.67948635501689
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.28464524706352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.16551474144357

n =  2485
somme des inverses des racines des entiers jusqu a n =  98.24922393542901
2*sqrt(n) =  99.69954864491613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.3043050414854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.18577827908149

n =  2486
somme des inverses des racines des entiers jusqu a n =  98.26928017173202
2*sqrt(n) =  99.71960689854328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.32396096157262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.2060376994786

n =  2487
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somme des inverses des racines des entiers jusqu a n =  98.28933237541484
2*sqrt(n) =  99.73966111833346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.34361300963006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.22629300513516

n =  2488
somme des inverses des racines des entiers jusqu a n =  98.30938054890896
2*sqrt(n) =  99.75971130671941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.36326118796035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.24654419854895

n =  2489
somme des inverses des racines des entiers jusqu a n =  98.32942469464342
2*sqrt(n) =  99.77975746613137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.38290549886378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.26679128221517

n =  2490
somme des inverses des racines des entiers jusqu a n =  98.34946481504483
2*sqrt(n) =  99.7997995989972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.40254594463845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.28703425862656

n =  2491
somme des inverses des racines des entiers jusqu a n =  98.36950091253735
2*sqrt(n) =  99.81983770774224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.42218252758006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.30727313027333

n =  2492
somme des inverses des racines des entiers jusqu a n =  98.38953298954273
2*sqrt(n) =  99.83987179478947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.44181524998214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.32750789964314

n =  2493
somme des inverses des racines des entiers jusqu a n =  98.40956104848027
2*sqrt(n) =  99.85990186255943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.46144411413587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.3477385692212

n =  2494
somme des inverses des racines des entiers jusqu a n =  98.42958509176685
2*sqrt(n) =  99.87992791347018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.48106912233021
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.36796514149017

n =  2495
somme des inverses des racines des entiers jusqu a n =  98.44960512181694
2*sqrt(n) =  99.89994994993741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.5006902768518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.38818761893022

n =  2496
somme des inverses des racines des entiers jusqu a n =  98.46962114104258
2*sqrt(n) =  99.91996797437437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.52030757998506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.40840600401903

n =  2497
somme des inverses des racines des entiers jusqu a n =  98.4896331518534
2*sqrt(n) =  99.93998198919189
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.53992103401212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.42862029923178
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n =  2498
somme des inverses des racines des entiers jusqu a n =  98.5096411566566
2*sqrt(n) =  99.9599919967984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.55953064121287
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.44883050704115

n =  2499
somme des inverses des racines des entiers jusqu a n =  98.529645157857
2*sqrt(n) =  99.9799979995999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.57913640386495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.46903662991737

n =  2500
somme des inverses des racines des entiers jusqu a n =  98.549645157857
2*sqrt(n) =  100.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.59873832424371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.48923867032813

n =  2501
somme des inverses des racines des entiers jusqu a n =  98.5696411590566
2*sqrt(n) =  100.0199980003999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.61833640462228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.5094366307387

n =  2502
somme des inverses des racines des entiers jusqu a n =  98.5896331638534
2*sqrt(n) =  100.0399920031984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.63793064727156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.52963051361183

n =  2503
somme des inverses des racines des entiers jusqu a n =  98.60962117464261
2*sqrt(n) =  100.05998201079191
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.65752105446015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.5498203214078

n =  2504
somme des inverses des racines des entiers jusqu a n =  98.62960519381704
2*sqrt(n) =  100.07996802557443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.67710762845445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.57000605658442

n =  2505
somme des inverses des racines des entiers jusqu a n =  98.64958522376713
2*sqrt(n) =  100.09995004993759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.69669037151863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.59018772159706

n =  2506
somme des inverses des racines des entiers jusqu a n =  98.66956126688092
2*sqrt(n) =  100.11992808627062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.7162692859146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.61036531889862

n =  2507
somme des inverses des racines des entiers jusqu a n =  98.68953332554405
2*sqrt(n) =  100.13990213696037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.73584437390208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.63053885093952

n =  2508
somme des inverses des racines des entiers jusqu a n =  98.70950140213982
2*sqrt(n) =  100.15987220439132
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.75541563773851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.65070832016772

n =  2509
somme des inverses des racines des entiers jusqu a n =  98.72946549904914
2*sqrt(n) =  100.17983829094555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.77498307967913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.67087372902876

n =  2510
somme des inverses des racines des entiers jusqu a n =  98.74942561865053
2*sqrt(n) =  100.1998003990028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.79454670197697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.6910350799657

n =  2511
somme des inverses des racines des entiers jusqu a n =  98.76938176332017
2*sqrt(n) =  100.2197585309404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.81410650688281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.71119237541919

n =  2512
somme des inverses des racines des entiers jusqu a n =  98.78933393543186
2*sqrt(n) =  100.23971268913334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.83366249664526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.73134561782739

n =  2513
somme des inverses des racines des entiers jusqu a n =  98.80928213735703
2*sqrt(n) =  100.25966287595426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.85321467351068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.75149480962605

n =  2514
somme des inverses des racines des entiers jusqu a n =  98.82922637146478
2*sqrt(n) =  100.2796090937734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.87276303972321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.7716399532485

n =  2515
somme des inverses des racines des entiers jusqu a n =  98.84916664012184
2*sqrt(n) =  100.29955134495867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.89230759752483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.79178105112558

n =  2516
somme des inverses des racines des entiers jusqu a n =  98.86910294569256
2*sqrt(n) =  100.31948963187563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.9118483491553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.81191810568579

n =  2517
somme des inverses des racines des entiers jusqu a n =  98.88903529053898
2*sqrt(n) =  100.33942395688746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.93138529685214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.83205111935511

n =  2518
somme des inverses des racines des entiers jusqu a n =  98.9089636770208
2*sqrt(n) =  100.35935432235502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.95091844285074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.85218009455716

n =  2519
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somme des inverses des racines des entiers jusqu a n =  98.92888810749531
2*sqrt(n) =  100.37928073063684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.97044778938422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.87230503371313

n =  2520
somme des inverses des racines des entiers jusqu a n =  98.94880858431755
2*sqrt(n) =  100.39920318408906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  89.9899733386836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.89242593924179

n =  2521
somme des inverses des racines des entiers jusqu a n =  98.96872510984016
2*sqrt(n) =  100.41912168506553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.00949509297762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.91254281355948

n =  2522
somme des inverses des racines des entiers jusqu a n =  98.9886376864135
2*sqrt(n) =  100.43903623591775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.02901305449289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.93265565908018

n =  2523
somme des inverses des racines des entiers jusqu a n =  99.00854631638555
2*sqrt(n) =  100.45894683899488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.04852722545382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.9527644782154

n =  2524
somme des inverses des racines des entiers jusqu a n =  99.028451002102
2*sqrt(n) =  100.47885349664377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.06803760808266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.97286927337431

n =  2525
somme des inverses des racines des entiers jusqu a n =  99.0483517459062
2*sqrt(n) =  100.4987562112089
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.08754420459944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  104.99297004696362

n =  2526
somme des inverses des racines des entiers jusqu a n =  99.06824855013919
2*sqrt(n) =  100.5186549850325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.10704701722207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.01306680138771

n =  2527
somme des inverses des racines des entiers jusqu a n =  99.08814141713967
2*sqrt(n) =  100.53854982045445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.12654604816626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.03315953904854

n =  2528
somme des inverses des racines des entiers jusqu a n =  99.10803034924406
2*sqrt(n) =  100.55844071981228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.14604129964553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.05324826234565

n =  2529
somme des inverses des racines des entiers jusqu a n =  99.12791534878646
2*sqrt(n) =  100.57832768544127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.1655327738713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.07333297367624
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n =  2530
somme des inverses des racines des entiers jusqu a n =  99.14779641809865
2*sqrt(n) =  100.59821071967433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.18502047305276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.0934136754351

n =  2531
somme des inverses des racines des entiers jusqu a n =  99.16767355951012
2*sqrt(n) =  100.61808982484213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.20450439939701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.11349037001469

n =  2532
somme des inverses des racines des entiers jusqu a n =  99.18754677534805
2*sqrt(n) =  100.637965003273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.22398455510893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.13356305980503

n =  2533
somme des inverses des racines des entiers jusqu a n =  99.20741606793733
2*sqrt(n) =  100.65783625729296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.24346094239128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.15363174719378

n =  2534
somme des inverses des racines des entiers jusqu a n =  99.22728143960056
2*sqrt(n) =  100.67770358922576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.26293356344468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.1736964345663

n =  2535
somme des inverses des racines des entiers jusqu a n =  99.24714289265803
2*sqrt(n) =  100.69756700139284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.28240242046756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.19375712430548

n =  2536
somme des inverses des racines des entiers jusqu a n =  99.26700042942777
2*sqrt(n) =  100.71742649611338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.30186751565627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.21381381879193

n =  2537
somme des inverses des racines des entiers jusqu a n =  99.28685405222551
2*sqrt(n) =  100.73728207570423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.32132885120495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.23386652040386

n =  2538
somme des inverses des racines des entiers jusqu a n =  99.3067037633647
2*sqrt(n) =  100.75713374248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.34078642930567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.25391523151715

n =  2539
somme des inverses des racines des entiers jusqu a n =  99.3265495651565
2*sqrt(n) =  100.77698149875297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.3602402521483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.27395995450532

n =  2540
somme des inverses des racines des entiers jusqu a n =  99.34639145990981
2*sqrt(n) =  100.79682534683322
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.37969032192063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.2940006917395

n =  2541
somme des inverses des racines des entiers jusqu a n =  99.36622944993127
2*sqrt(n) =  100.81666528902848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.39913664080832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.31403744558855

n =  2542
somme des inverses des racines des entiers jusqu a n =  99.38606353752522
2*sqrt(n) =  100.83650132764424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.41857921099485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.33407021841894

n =  2543
somme des inverses des racines des entiers jusqu a n =  99.40589372499376
2*sqrt(n) =  100.85633346498375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.43801803466164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.3540990125948

n =  2544
somme des inverses des racines des entiers jusqu a n =  99.42572001463671
2*sqrt(n) =  100.87616170334793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.45745311398792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.37412383047794

n =  2545
somme des inverses des racines des entiers jusqu a n =  99.44554240875165
2*sqrt(n) =  100.89598604503551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.4768844511509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.39414467442782

n =  2546
somme des inverses des racines des entiers jusqu a n =  99.46536090963389
2*sqrt(n) =  100.91580649234291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.49631204832556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.41416154680158

n =  2547
somme des inverses des racines des entiers jusqu a n =  99.48517551957647
2*sqrt(n) =  100.93562304756433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.51573590768488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.43417444995406

n =  2548
somme des inverses des racines des entiers jusqu a n =  99.50498624087022
2*sqrt(n) =  100.9554357129917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.53515603139965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.45418338623773

n =  2549
somme des inverses des racines des entiers jusqu a n =  99.52479307580371
2*sqrt(n) =  100.9752444909147
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.5545724216386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.47418835800276

n =  2550
somme des inverses des racines des entiers jusqu a n =  99.54459602666324
2*sqrt(n) =  100.99504938362078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.57398508056832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.49418936759702

n =  2551
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somme des inverses des racines des entiers jusqu a n =  99.5643950957329
2*sqrt(n) =  101.01485039339512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.59339401035332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.51418641736602

n =  2552
somme des inverses des racines des entiers jusqu a n =  99.58419028529453
2*sqrt(n) =  101.03464752252071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.61279921315604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.53417950965304

n =  2553
somme des inverses des racines des entiers jusqu a n =  99.60398159762772
2*sqrt(n) =  101.05444077327824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.63220069113676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.55416864679898

n =  2554
somme des inverses des racines des entiers jusqu a n =  99.62376903500986
2*sqrt(n) =  101.07423014794622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.65159844645375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.57415383114247

n =  2555
somme des inverses des racines des entiers jusqu a n =  99.64355259971607
2*sqrt(n) =  101.09401564880089
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.67099248126308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.59413506501978

n =  2556
somme des inverses des racines des entiers jusqu a n =  99.6633322940193
2*sqrt(n) =  101.11379727811631
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.69038279771888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.61411235076501

n =  2557
somme des inverses des racines des entiers jusqu a n =  99.68310812019024
2*sqrt(n) =  101.13357503816425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.70976939797308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.63408569070984

n =  2558
somme des inverses des racines des entiers jusqu a n =  99.70288008049735
2*sqrt(n) =  101.15334893121434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.72915228417556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.65405508718374

n =  2559
somme des inverses des racines des entiers jusqu a n =  99.7226481772069
2*sqrt(n) =  101.17311895953391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.74853145847412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.6740205425138

n =  2560
somme des inverses des racines des entiers jusqu a n =  99.74241241258296
2*sqrt(n) =  101.19288512538814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.76790692301454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.69398205902495

n =  2561
somme des inverses des racines des entiers jusqu a n =  99.76217278888734
2*sqrt(n) =  101.21264743103995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.78727867994043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.71393963903971
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n =  2562
somme des inverses des racines des entiers jusqu a n =  99.78192930837969
2*sqrt(n) =  101.23240587875011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.80664673139344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.73389328487845

n =  2563
somme des inverses des racines des entiers jusqu a n =  99.80168197331741
2*sqrt(n) =  101.25216047077711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.82601107951305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.75384299885914

n =  2564
somme des inverses des racines des entiers jusqu a n =  99.82143078595576
2*sqrt(n) =  101.27191120937731
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.84537172643675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.77378878329759

n =  2565
somme des inverses des racines des entiers jusqu a n =  99.84117574854773
2*sqrt(n) =  101.2916580968048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.86472867429993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.79373064050722

n =  2566
somme des inverses des racines des entiers jusqu a n =  99.86091686334416
2*sqrt(n) =  101.31140113531151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.88408192523593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.8136685727993

n =  2567
somme des inverses des racines des entiers jusqu a n =  99.8806541325937
2*sqrt(n) =  101.33114032714721
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.90343148137607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.83360258248277

n =  2568
somme des inverses des racines des entiers jusqu a n =  99.9003875585428
2*sqrt(n) =  101.35087567455942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.92277734484958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.85353267186434

n =  2569
somme des inverses des racines des entiers jusqu a n =  99.92011714343572
2*sqrt(n) =  101.3706071797935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.94211951778362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.87345884324843

n =  2570
somme des inverses des racines des entiers jusqu a n =  99.93984288951452
2*sqrt(n) =  101.39033484509261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.96145800230335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.89338109893724

n =  2571
somme des inverses des racines des entiers jusqu a n =  99.95956479901913
2*sqrt(n) =  101.41005867269774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  90.98079280053186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.91329944123068

n =  2572
somme des inverses des racines des entiers jusqu a n =  99.97928287418726
2*sqrt(n) =  101.42977866484773
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.00012391459023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.93321387242648

n =  2573
somme des inverses des racines des entiers jusqu a n =  99.99899711725446
2*sqrt(n) =  101.44949482377919
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.01945134659745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.95312439482005

n =  2574
somme des inverses des racines des entiers jusqu a n =  100.0187075304541
2*sqrt(n) =  101.46920715172658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.03877509867051
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.97303101070462

n =  2575
somme des inverses des racines des entiers jusqu a n =  100.03841411601738
2*sqrt(n) =  101.4889156509222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.05809517292437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  105.9929337223711

n =  2576
somme des inverses des racines des entiers jusqu a n =  100.05811687617336
2*sqrt(n) =  101.50862032359616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.07741157147193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.01283253210828

n =  2577
somme des inverses des racines des entiers jusqu a n =  100.0778158131489
2*sqrt(n) =  101.52832117197644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.09672429642409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.03272744220263

n =  2578
somme des inverses des racines des entiers jusqu a n =  100.09751092916873
2*sqrt(n) =  101.54801819828883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.1160333498897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.0526184549384

n =  2579
somme des inverses des racines des entiers jusqu a n =  100.11720222645543
2*sqrt(n) =  101.56771140475698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.13533873397564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.07250557259765

n =  2580
somme des inverses des racines des entiers jusqu a n =  100.13688970722939
2*sqrt(n) =  101.58740079360236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.1546404507867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.09238879746019

n =  2581
somme des inverses des racines des entiers jusqu a n =  100.15657337370887
2*sqrt(n) =  101.6070863670443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.1739385024257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.1122681318036

n =  2582
somme des inverses des racines des entiers jusqu a n =  100.17625322810997
2*sqrt(n) =  101.62676812730001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.19323289099343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.1321435779033

n =  2583
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somme des inverses des racines des entiers jusqu a n =  100.19592927264667
2*sqrt(n) =  101.6464460765845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.21252361858866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.15201513803241

n =  2584
somme des inverses des racines des entiers jusqu a n =  100.21560150953079
2*sqrt(n) =  101.66612021711067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.23181068730818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.17188281446191

n =  2585
somme des inverses des racines des entiers jusqu a n =  100.235269940972
2*sqrt(n) =  101.68579055108928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.25109409924676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.19174660946054

n =  2586
somme des inverses des racines des entiers jusqu a n =  100.25493456917786
2*sqrt(n) =  101.70545708072896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.27037385649716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.21160652529485

n =  2587
somme des inverses des racines des entiers jusqu a n =  100.27459539635379
2*sqrt(n) =  101.72511980823616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.28964996115013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.23146256422916

n =  2588
somme des inverses des racines des entiers jusqu a n =  100.29425242470306
2*sqrt(n) =  101.74477873581523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.30892241529445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.25131472852563

n =  2589
somme des inverses des racines des entiers jusqu a n =  100.31390565642683
2*sqrt(n) =  101.76443386566841
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.32819122101688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.27116302044418

n =  2590
somme des inverses des racines des entiers jusqu a n =  100.33355509372413
2*sqrt(n) =  101.78408519999579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.3474563804022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.29100744224257

n =  2591
somme des inverses des racines des entiers jusqu a n =  100.35320073879187
2*sqrt(n) =  101.8037327409953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.3667178955332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.31084799617635

n =  2592
somme des inverses des racines des entiers jusqu a n =  100.37284259382483
2*sqrt(n) =  101.82337649086284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.38597576849068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.33068468449892

n =  2593
somme des inverses des racines des entiers jusqu a n =  100.39248066101568
2*sqrt(n) =  101.84301645179212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.40523000135346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.35051750946145
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n =  2594
somme des inverses des racines des entiers jusqu a n =  100.412114942555
2*sqrt(n) =  101.86265262597475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.42448059619836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.37034647331294

n =  2595
somme des inverses des racines des entiers jusqu a n =  100.43174544063122
2*sqrt(n) =  101.88228501560023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.44372755510025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.39017157830023

n =  2596
somme des inverses des racines des entiers jusqu a n =  100.45137215743068
2*sqrt(n) =  101.90191362285597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.46297088013199
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.40999282666796

n =  2597
somme des inverses des racines des entiers jusqu a n =  100.47099509513764
2*sqrt(n) =  101.92153844992725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.48221057336451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.42981022065862

n =  2598
somme des inverses des racines des entiers jusqu a n =  100.49061425593422
2*sqrt(n) =  101.94115949899727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.50144663686673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.44962376251253

n =  2599
somme des inverses des racines des entiers jusqu a n =  100.51022964200044
2*sqrt(n) =  101.96077677224709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.5206790727056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.46943345446783

n =  2600
somme des inverses des racines des entiers jusqu a n =  100.52984125551426
2*sqrt(n) =  101.9803902718557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.53990788294612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.48923929876048

n =  2601
somme des inverses des racines des entiers jusqu a n =  100.54944909865151
2*sqrt(n) =  102.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.55913306965135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.50904129762432

n =  2602
somme des inverses des racines des entiers jusqu a n =  100.56905317358596
2*sqrt(n) =  102.0196059588548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.57835463488234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.52883945329101

n =  2603
somme des inverses des racines des entiers jusqu a n =  100.58865348248926
2*sqrt(n) =  102.03920815059278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.59757258069823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.54863376799007

n =  2604
somme des inverses des racines des entiers jusqu a n =  100.608250027531
2*sqrt(n) =  102.05880657738459
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.61678690915613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.56842424394881

n =  2605
somme des inverses des racines des entiers jusqu a n =  100.62784281087868
2*sqrt(n) =  102.07840124139877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.63599762231131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.58821088339249

n =  2606
somme des inverses des racines des entiers jusqu a n =  100.64743183469771
2*sqrt(n) =  102.09799214480175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.65520472221696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.60799368854414

n =  2607
somme des inverses des racines des entiers jusqu a n =  100.66701710115144
2*sqrt(n) =  102.11757928975794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.67440821092444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.62777266162469

n =  2608
somme des inverses des racines des entiers jusqu a n =  100.68659861240114
2*sqrt(n) =  102.13716267842963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.6936080904831
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.6475478048529

n =  2609
somme des inverses des racines des entiers jusqu a n =  100.706176370606
2*sqrt(n) =  102.15674231297707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.71280436294035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.66731912044543

n =  2610
somme des inverses des racines des entiers jusqu a n =  100.72575037792316
2*sqrt(n) =  102.17631819555841
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.73199703034167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.68708661061677

n =  2611
somme des inverses des racines des entiers jusqu a n =  100.74532063650767
2*sqrt(n) =  102.19589032832974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.75118609473061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.70685027757929

n =  2612
somme des inverses des racines des entiers jusqu a n =  100.76488714851254
2*sqrt(n) =  102.2154587134451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.77037155814878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.72661012354325

n =  2613
somme des inverses des racines des entiers jusqu a n =  100.7844499160887
2*sqrt(n) =  102.23502335305646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.78955342263585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.74636615071677

n =  2614
somme des inverses des racines des entiers jusqu a n =  100.80400894138505
2*sqrt(n) =  102.25458424931374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.80873169022958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.76611836130581

n =  2615
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somme des inverses des racines des entiers jusqu a n =  100.82356422654841
2*sqrt(n) =  102.27414140436477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.82790636296575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.78586675751427

n =  2616
somme des inverses des racines des entiers jusqu a n =  100.84311577372355
2*sqrt(n) =  102.29369482035537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.84707744287829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.80561134154391

n =  2617
somme des inverses des racines des entiers jusqu a n =  100.86266358505321
2*sqrt(n) =  102.3132444994293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.86624493199916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.82535211559437

n =  2618
somme des inverses des racines des entiers jusqu a n =  100.88220766267807
2*sqrt(n) =  102.33279044372826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.88540883235842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.84508908186318

n =  2619
somme des inverses des racines des entiers jusqu a n =  100.90174800873676
2*sqrt(n) =  102.35233265539189
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.90456914598418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.86482224254574

n =  2620
somme des inverses des racines des entiers jusqu a n =  100.92128462536587
2*sqrt(n) =  102.37187113655781
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.92372587490267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.88455159983538

n =  2621
somme des inverses des racines des entiers jusqu a n =  100.94081751469997
2*sqrt(n) =  102.39140588936164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.94287902113824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.90427715592334

n =  2622
somme des inverses des racines des entiers jusqu a n =  100.96034667887159
2*sqrt(n) =  102.41093691593686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.96202858671322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.92399891299867

n =  2623
somme des inverses des racines des entiers jusqu a n =  100.97987212001121
2*sqrt(n) =  102.43046421841503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  91.98117457364816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.94371687324846

n =  2624
somme des inverses des racines des entiers jusqu a n =  100.99939384024728
2*sqrt(n) =  102.44998779892558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.0003169839616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.96343103885756

n =  2625
somme des inverses des racines des entiers jusqu a n =  101.01891184170626
2*sqrt(n) =  102.46950765959599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.01945581967027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  106.98314141200885
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n =  2626
somme des inverses des racines des entiers jusqu a n =  101.03842612651253
2*sqrt(n) =  102.48902380255166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.03859108278893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.00284799488303

n =  2627
somme des inverses des racines des entiers jusqu a n =  101.0579366967885
2*sqrt(n) =  102.50853622991599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.05772277533046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.02255078965875

n =  2628
somme des inverses des racines des entiers jusqu a n =  101.07744355465452
2*sqrt(n) =  102.52804494381037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.07685089930588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.04224979851261

n =  2629
somme des inverses des racines des entiers jusqu a n =  101.09694670222895
2*sqrt(n) =  102.54754994635415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.09597545672428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.06194502361909

n =  2630
somme des inverses des racines des entiers jusqu a n =  101.11644614162812
2*sqrt(n) =  102.56705123966468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.11509644959287
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.08163646715057

n =  2631
somme des inverses des racines des entiers jusqu a n =  101.13594187496636
2*sqrt(n) =  102.58654882585728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.13421387991698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.10132413127742

n =  2632
somme des inverses des racines des entiers jusqu a n =  101.155433904356
2*sqrt(n) =  102.60604270704528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.15332774970007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.12100801816787

n =  2633
somme des inverses des racines des entiers jusqu a n =  101.17492223190735
2*sqrt(n) =  102.62553288534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.17243806094369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.14068812998815

n =  2634
somme des inverses des racines des entiers jusqu a n =  101.19440685972869
2*sqrt(n) =  102.64501936285072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.19154481564749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.16036446890233

n =  2635
somme des inverses des racines des entiers jusqu a n =  101.21388778992635
2*sqrt(n) =  102.66450214168479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.21064801580934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.18003703707252

n =  2636
somme des inverses des racines des entiers jusqu a n =  101.23336502460464
2*sqrt(n) =  102.68398122394748
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.22974766342509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.19970583665868

n =  2637
somme des inverses des racines des entiers jusqu a n =  101.25283856586587
2*sqrt(n) =  102.70345661174214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.24884376048885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.21937086981877

n =  2638
somme des inverses des racines des entiers jusqu a n =  101.27230841581037
2*sqrt(n) =  102.72292830717006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.26793630899282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.2390321387087

n =  2639
somme des inverses des racines des entiers jusqu a n =  101.29177457653647
2*sqrt(n) =  102.74239631233058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.28702531092726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.25868964548224

n =  2640
somme des inverses des racines des entiers jusqu a n =  101.3112370501405
2*sqrt(n) =  102.76186062932103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.30611076828067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.2783433922912

n =  2641
somme des inverses des racines des entiers jusqu a n =  101.33069583871685
2*sqrt(n) =  102.78132126023678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.32519268303965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.29799338128534

n =  2642
somme des inverses des racines des entiers jusqu a n =  101.35015094435788
2*sqrt(n) =  102.80077820717118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.3442710571889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.3176396146123

n =  2643
somme des inverses des racines des entiers jusqu a n =  101.36960236915398
2*sqrt(n) =  102.82023147221562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.36334589271134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.33728209441776

n =  2644
somme des inverses des racines des entiers jusqu a n =  101.3890501151936
2*sqrt(n) =  102.83968105745953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.38241719158796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.35692082284531

n =  2645
somme des inverses des racines des entiers jusqu a n =  101.40849418456317
2*sqrt(n) =  102.85912696499032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.40148495579793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.37655580203652

n =  2646
somme des inverses des racines des entiers jusqu a n =  101.42793457934717
2*sqrt(n) =  102.87856919689348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.42054918731858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.39618703413093

n =  2647
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somme des inverses des racines des entiers jusqu a n =  101.4473713016281
2*sqrt(n) =  102.89800775525248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.43960988812537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.41581452126603

n =  2648
somme des inverses des racines des entiers jusqu a n =  101.46680435348651
2*sqrt(n) =  102.91744264214886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.45866706019196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.4354382655773

n =  2649
somme des inverses des racines des entiers jusqu a n =  101.48623373700097
2*sqrt(n) =  102.93687385966217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.4777207054901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.4550582691982

n =  2650
somme des inverses des racines des entiers jusqu a n =  101.50565945424812
2*sqrt(n) =  102.95630140987001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.49677082598974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.47467453426013

n =  2651
somme des inverses des racines des entiers jusqu a n =  101.5250815073026
2*sqrt(n) =  102.975725294848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.51581742365899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.49428706289251

n =  2652
somme des inverses des racines des entiers jusqu a n =  101.54449989823712
2*sqrt(n) =  102.99514551666987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.53486050046412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.51389585722274

n =  2653
somme des inverses des racines des entiers jusqu a n =  101.56391462912242
2*sqrt(n) =  103.01456207740729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.55390005836955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.53350091937615

n =  2654
somme des inverses des racines des entiers jusqu a n =  101.58332570202731
2*sqrt(n) =  103.03397497913006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.57293609933792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.55310225147613

n =  2655
somme des inverses des racines des entiers jusqu a n =  101.60273311901862
2*sqrt(n) =  103.05338422390601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.59196862532997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.57269985564402

n =  2656
somme des inverses des racines des entiers jusqu a n =  101.62213688216129
2*sqrt(n) =  103.07278981380101
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.6109976383047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.59229373399917

n =  2657
somme des inverses des racines des entiers jusqu a n =  101.64153699351824
2*sqrt(n) =  103.09219175087898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.63002314021918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.61188388865888
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n =  2658
somme des inverses des racines des entiers jusqu a n =  101.66093345515053
2*sqrt(n) =  103.11159003720194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.64904513302875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.63147032173853

n =  2659
somme des inverses des racines des entiers jusqu a n =  101.68032626911722
2*sqrt(n) =  103.1309846748299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.66806361868689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.65105303535141

n =  2660
somme des inverses des racines des entiers jusqu a n =  101.69971543747545
2*sqrt(n) =  103.15037566582102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.68707859914528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.67063203160889

n =  2661
somme des inverses des racines des entiers jusqu a n =  101.71910096228045
2*sqrt(n) =  103.16976301223144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.70609007635376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.69020731262029

n =  2662
somme des inverses des racines des entiers jusqu a n =  101.73848284558551
2*sqrt(n) =  103.18914671611545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.72509805226039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.70977888049296

n =  2663
somme des inverses des racines des entiers jusqu a n =  101.75786108944197
2*sqrt(n) =  103.20852677952534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.74410252881141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.7293467373323

n =  2664
somme des inverses des racines des entiers jusqu a n =  101.77723569589928
2*sqrt(n) =  103.22790320451152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.76310350795124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.74891088524166

n =  2665
somme des inverses des racines des entiers jusqu a n =  101.79660666700494
2*sqrt(n) =  103.24727599312246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.78210099162251
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.76847132632243

n =  2666
somme des inverses des racines des entiers jusqu a n =  101.81597400480453
2*sqrt(n) =  103.26664514740469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.80109498176604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.78802806267402

n =  2667
somme des inverses des racines des entiers jusqu a n =  101.83533771134172
2*sqrt(n) =  103.28601066940286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.82008548032084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.80758109639386

n =  2668
somme des inverses des racines des entiers jusqu a n =  101.85469778865829
2*sqrt(n) =  103.30537256115966
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.83907248922415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.82713042957741

n =  2669
somme des inverses des racines des entiers jusqu a n =  101.87405423879405
2*sqrt(n) =  103.32473082471591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.85805601041139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.84667606431817

n =  2670
somme des inverses des racines des entiers jusqu a n =  101.89340706378695
2*sqrt(n) =  103.3440854621105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.87703604581621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.86621800270764

n =  2671
somme des inverses des racines des entiers jusqu a n =  101.91275626567302
2*sqrt(n) =  103.3634364753804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.89601259737044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.88575624683537

n =  2672
somme des inverses des racines des entiers jusqu a n =  101.93210184648638
2*sqrt(n) =  103.38278386656069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.91498566700416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.90529079878895

n =  2673
somme des inverses des racines des entiers jusqu a n =  101.95144380825923
2*sqrt(n) =  103.40212763768452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.9339552566456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.92482166065398

n =  2674
somme des inverses des racines des entiers jusqu a n =  101.9707821530219
2*sqrt(n) =  103.42146779078317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.95292136822128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.9443488345141

n =  2675
somme des inverses des racines des entiers jusqu a n =  101.99011688280281
2*sqrt(n) =  103.440804327886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.9718840036559
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.96387232245105

n =  2676
somme des inverses des racines des entiers jusqu a n =  102.00944799962849
2*sqrt(n) =  103.4601372510205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  92.99084316487239
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  107.98339212654456

n =  2677
somme des inverses des racines des entiers jusqu a n =  102.02877550552357
2*sqrt(n) =  103.47946656221224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.00979885379189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.00290824887242

n =  2678
somme des inverses des racines des entiers jusqu a n =  102.04809940251077
2*sqrt(n) =  103.49879226348489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.02875107233378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.02242069151045

n =  2679
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somme des inverses des racines des entiers jusqu a n =  102.06741969261097
2*sqrt(n) =  103.51811435686027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.04769982241567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.04192945653257

n =  2680
somme des inverses des racines des entiers jusqu a n =  102.08673637784312
2*sqrt(n) =  103.53743284435828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.06664510595338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.06143454601073

n =  2681
somme des inverses des racines des entiers jusqu a n =  102.10604946022433
2*sqrt(n) =  103.55674772799695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.08558692486099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.08093596201492

n =  2682
somme des inverses des racines des entiers jusqu a n =  102.12535894176978
2*sqrt(n) =  103.57605900979242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.1045252810508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.10043370661322

n =  2683
somme des inverses des racines des entiers jusqu a n =  102.1446648244928
2*sqrt(n) =  103.59536669175895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.12346017643334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.11992778187177

n =  2684
somme des inverses des racines des entiers jusqu a n =  102.16396711040485
2*sqrt(n) =  103.61467077590895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.14239161291738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.13941818985472

n =  2685
somme des inverses des racines des entiers jusqu a n =  102.18326580151552
2*sqrt(n) =  103.63397126425292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.16131959240997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.1589049326244

n =  2686
somme des inverses des racines des entiers jusqu a n =  102.20256089983249
2*sqrt(n) =  103.6532681587995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.18024411681633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.17838801224109

n =  2687
somme des inverses des racines des entiers jusqu a n =  102.22185240736162
2*sqrt(n) =  103.67256146155549
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.19916518804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.19786743076322

n =  2688
somme des inverses des racines des entiers jusqu a n =  102.24114032610689
2*sqrt(n) =  103.69185117452577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.21808280798273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.21734319024728

n =  2689
somme des inverses des racines des entiers jusqu a n =  102.26042465807039
2*sqrt(n) =  103.71113729971339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.23699697854452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.2368152927478
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n =  2690
somme des inverses des racines des entiers jusqu a n =  102.27970540525239
2*sqrt(n) =  103.73041983911952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.25590770162364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.25628374031746

n =  2691
somme des inverses des racines des entiers jusqu a n =  102.29898256965126
2*sqrt(n) =  103.7496987947435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.2748149791166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.27574853500694

n =  2692
somme des inverses des racines des entiers jusqu a n =  102.31825615326355
2*sqrt(n) =  103.76897416858277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.29371881291816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.29520967886508

n =  2693
somme des inverses des racines des entiers jusqu a n =  102.33752615808395
2*sqrt(n) =  103.78824596263297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.31261920492138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.31466717393876

n =  2694
somme des inverses des racines des entiers jusqu a n =  102.35679258610527
2*sqrt(n) =  103.80751417888784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.33151615701753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.334121022273

n =  2695
somme des inverses des racines des entiers jusqu a n =  102.3760554393185
2*sqrt(n) =  103.82677881933928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.35040967109619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.35357122591083

n =  2696
somme des inverses des racines des entiers jusqu a n =  102.39531471971279
2*sqrt(n) =  103.84603988597736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.36929974904517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.37301778689346

n =  2697
somme des inverses des racines des entiers jusqu a n =  102.41457042927541
2*sqrt(n) =  103.86529738079028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.38818639275055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.39246070726014

n =  2698
somme des inverses des racines des entiers jusqu a n =  102.43382256999183
2*sqrt(n) =  103.88455130576442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.40706960409672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.41189998904827

n =  2699
somme des inverses des racines des entiers jusqu a n =  102.45307114384565
2*sqrt(n) =  103.9038016628843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.4259493849663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.4313356342933

n =  2700
somme des inverses des racines des entiers jusqu a n =  102.47231615281864
2*sqrt(n) =  103.92304845413264
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.44482573724022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.45076764502885

n =  2701
somme des inverses des racines des entiers jusqu a n =  102.49155759889074
2*sqrt(n) =  103.94229168149026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.46369866279765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.47019602328656

n =  2702
somme des inverses des racines des entiers jusqu a n =  102.51079548404006
2*sqrt(n) =  103.96153134693621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.48256816351608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.48962077109628

n =  2703
somme des inverses des racines des entiers jusqu a n =  102.53002981024288
2*sqrt(n) =  103.98076745244767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.50143424127123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.50904189048589

n =  2704
somme des inverses des racines des entiers jusqu a n =  102.54926057947365
2*sqrt(n) =  104.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.52029689793714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.52845938348142

n =  2705
somme des inverses des racines des entiers jusqu a n =  102.568487793705
2*sqrt(n) =  104.01922899156675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.53915613538618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.54787325210704

n =  2706
somme des inverses des racines des entiers jusqu a n =  102.58771145490772
2*sqrt(n) =  104.03845442911962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.5580119554889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.56728349838498

n =  2707
somme des inverses des racines des entiers jusqu a n =  102.6069315650508
2*sqrt(n) =  104.05767631462851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.57686436011421
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.58669012433566

n =  2708
somme des inverses des racines des entiers jusqu a n =  102.6261481261014
2*sqrt(n) =  104.0768946500615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.59571335112935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.60609313197759

n =  2709
somme des inverses des racines des entiers jusqu a n =  102.64536114002487
2*sqrt(n) =  104.09610943738484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.61455893039975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.62549252332738

n =  2710
somme des inverses des racines des entiers jusqu a n =  102.66457060878476
2*sqrt(n) =  104.11532067856297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.63340109978922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.64488830039984

n =  2711
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somme des inverses des racines des entiers jusqu a n =  102.68377653434277
2*sqrt(n) =  104.1345283755585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.65223986115984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.66428046520784

n =  2712
somme des inverses des racines des entiers jusqu a n =  102.70297891865883
2*sqrt(n) =  104.15373253033229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.671075216372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.68366901976243

n =  2713
somme des inverses des racines des entiers jusqu a n =  102.72217776369105
2*sqrt(n) =  104.17293314484334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.68990716728442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.7030539660728

n =  2714
somme des inverses des racines des entiers jusqu a n =  102.74137307139574
2*sqrt(n) =  104.19213022104884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.70873571575403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.72243530614624

n =  2715
somme des inverses des racines des entiers jusqu a n =  102.7605648437274
2*sqrt(n) =  104.21132376090422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.72756086363619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.74181304198824

n =  2716
somme des inverses des racines des entiers jusqu a n =  102.77975308263873
2*sqrt(n) =  104.23051376636306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.74638261278447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.76118717560234

n =  2717
somme des inverses des racines des entiers jusqu a n =  102.79893779008066
2*sqrt(n) =  104.24970023937719
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.76520096505085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.78055770899036

n =  2718
somme des inverses des racines des entiers jusqu a n =  102.81811896800227
2*sqrt(n) =  104.2688831818966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.78401592228552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.79992464415214

n =  2719
somme des inverses des racines des entiers jusqu a n =  102.8372966183509
2*sqrt(n) =  104.28806259586952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.80282748633705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.81928798308574

n =  2720
somme des inverses des racines des entiers jusqu a n =  102.8564707430721
2*sqrt(n) =  104.30723848324239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.82163565905235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.8386477277874

n =  2721
somme des inverses des racines des entiers jusqu a n =  102.87564134410957
2*sqrt(n) =  104.32641084595981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.84044044227657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.85800388025143
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n =  2722
somme des inverses des racines des entiers jusqu a n =  102.8948084234053
2*sqrt(n) =  104.34557968596465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.85924183785325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.87735644247036

n =  2723
somme des inverses des racines des entiers jusqu a n =  102.91397198289945
2*sqrt(n) =  104.36474500519799
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.87803984762424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.89670541643487

n =  2724
somme des inverses des racines des entiers jusqu a n =  102.93313202453044
2*sqrt(n) =  104.38390680559911
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.8968344734297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.9160508041338

n =  2725
somme des inverses des racines des entiers jusqu a n =  102.95228855023485
2*sqrt(n) =  104.4030650891055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.91562571710816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.93539260755416

n =  2726
somme des inverses des racines des entiers jusqu a n =  102.97144156194756
2*sqrt(n) =  104.4222198576529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.93441358049643
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.95473082868114

n =  2727
somme des inverses des racines des entiers jusqu a n =  102.9905910616016
2*sqrt(n) =  104.44137111317526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.95319806542967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.97406546949806

n =  2728
somme des inverses des racines des entiers jusqu a n =  103.0097370511283
2*sqrt(n) =  104.46051885760477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.97197917374142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  108.99339653198643

n =  2729
somme des inverses des racines des entiers jusqu a n =  103.02887953245715
2*sqrt(n) =  104.47966309287182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  93.99075690726349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.01272401812598

n =  2730
somme des inverses des racines des entiers jusqu a n =  103.04801850751593
2*sqrt(n) =  104.49880382090505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.00953126782605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.03204792989455

n =  2731
somme des inverses des racines des entiers jusqu a n =  103.06715397823062
2*sqrt(n) =  104.51794104363135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.02830225725765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.0513682692682

n =  2732
somme des inverses des racines des entiers jusqu a n =  103.08628594652545
2*sqrt(n) =  104.53707476297583
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.04706987738516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.07068503822117

n =  2733
somme des inverses des racines des entiers jusqu a n =  103.1054144143229
2*sqrt(n) =  104.55620498086185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.06583413003379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.08999823872588

n =  2734
somme des inverses des racines des entiers jusqu a n =  103.12453938354368
2*sqrt(n) =  104.57533169921098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.08459501702708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.10930787275292

n =  2735
somme des inverses des racines des entiers jusqu a n =  103.14366085610673
2*sqrt(n) =  104.59445491994306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.10335254018699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.1286139422711

n =  2736
somme des inverses des racines des entiers jusqu a n =  103.16277883392928
2*sqrt(n) =  104.61357464497617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.12210670133373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.14791644924739

n =  2737
somme des inverses des racines des entiers jusqu a n =  103.18189331892677
2*sqrt(n) =  104.63269087622663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.14085750228595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.16721539564696

n =  2738
somme des inverses des racines des entiers jusqu a n =  103.20100431301289
2*sqrt(n) =  104.65180361560904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.15960494486065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.18651078343323

n =  2739
somme des inverses des racines des entiers jusqu a n =  103.22011181809961
2*sqrt(n) =  104.6709128650362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.17834903087312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.20580261456773

n =  2740
somme des inverses des racines des entiers jusqu a n =  103.23921583609713
2*sqrt(n) =  104.6900186264192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.1970897621371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.22509089101025

n =  2741
somme des inverses des racines des entiers jusqu a n =  103.25831636891392
2*sqrt(n) =  104.70912090166739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.21582714046461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.24437561471878

n =  2742
somme des inverses des racines des entiers jusqu a n =  103.27741341845672
2*sqrt(n) =  104.72821969268837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.23456116766612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.2636567876495

n =  2743
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somme des inverses des racines des entiers jusqu a n =  103.2965069866305
2*sqrt(n) =  104.74731500138799
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.2532918455504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.28293441175678

n =  2744
somme des inverses des racines des entiers jusqu a n =  103.31559707533853
2*sqrt(n) =  104.76640682967036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.27201917592458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.30220848899324

n =  2745
somme des inverses des racines des entiers jusqu a n =  103.33468368648232
2*sqrt(n) =  104.78549517943789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.29074316059426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.3214790213097

n =  2746
somme des inverses des racines des entiers jusqu a n =  103.35376682196167
2*sqrt(n) =  104.80458005259122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.30946380136331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.34074601065517

n =  2747
somme des inverses des racines des entiers jusqu a n =  103.37284648367464
2*sqrt(n) =  104.82366145102927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.328181100034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.3600094589769

n =  2748
somme des inverses des racines des entiers jusqu a n =  103.39192267351754
2*sqrt(n) =  104.84273937664925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.34689505840701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.37926936822036

n =  2749
somme des inverses des racines des entiers jusqu a n =  103.41099539338501
2*sqrt(n) =  104.86181383134664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.3656056782814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.39852574032926

n =  2750
somme des inverses des racines des entiers jusqu a n =  103.43006464516992
2*sqrt(n) =  104.88088481701516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.38431296145454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.41777857724546

n =  2751
somme des inverses des racines des entiers jusqu a n =  103.44913043076345
2*sqrt(n) =  104.89995233554684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.40301690972227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.43702788090913

n =  2752
somme des inverses des racines des entiers jusqu a n =  103.46819275205502
2*sqrt(n) =  104.919016388832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.42171752487877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.45627365325862

n =  2753
somme des inverses des racines des entiers jusqu a n =  103.48725161093238
2*sqrt(n) =  104.93807697875924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.44041480871664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.47551589623055
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n =  2754
somme des inverses des racines des entiers jusqu a n =  103.50630700928154
2*sqrt(n) =  104.95713410721541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.45910876302682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.4947546117597

n =  2755
somme des inverses des racines des entiers jusqu a n =  103.52535894898682
2*sqrt(n) =  104.97618777608568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.47779938959867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.51398980177919

n =  2756
somme des inverses des racines des entiers jusqu a n =  103.54440743193081
2*sqrt(n) =  104.9952379872535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.49648669021995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.53322146822028

n =  2757
somme des inverses des racines des entiers jusqu a n =  103.5634524599944
2*sqrt(n) =  105.01428474260061
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.51517066667682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.5524496130125

n =  2758
somme des inverses des racines des entiers jusqu a n =  103.58249403505675
2*sqrt(n) =  105.03332804400706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.53385132075383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.57167423808369

n =  2759
somme des inverses des racines des entiers jusqu a n =  103.60153215899538
2*sqrt(n) =  105.05236789335117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.5525286542339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.59089534535981

n =  2760
somme des inverses des racines des entiers jusqu a n =  103.62056683368606
2*sqrt(n) =  105.07140429250958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.5712026688984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.61011293676518

n =  2761
somme des inverses des racines des entiers jusqu a n =  103.63959806100286
2*sqrt(n) =  105.09043724335721
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.58987336652706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.62932701422228

n =  2762
somme des inverses des racines des entiers jusqu a n =  103.65862584281817
2*sqrt(n) =  105.1094667477673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.60854074889806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.64853757965192

n =  2763
somme des inverses des racines des entiers jusqu a n =  103.67765018100268
2*sqrt(n) =  105.1284928076114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.62720481778798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.6677446349731

n =  2764
somme des inverses des racines des entiers jusqu a n =  103.69667107742539
2*sqrt(n) =  105.14751542475932
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.64586557497176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.6869481821031

n =  2765
somme des inverses des racines des entiers jusqu a n =  103.71568853395361
2*sqrt(n) =  105.16653460107925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.66452302222282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.70614822295747

n =  2766
somme des inverses des racines des entiers jusqu a n =  103.73470255245297
2*sqrt(n) =  105.18555033843765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.68317716131295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.72534475945

n =  2767
somme des inverses des racines des entiers jusqu a n =  103.75371313478739
2*sqrt(n) =  105.20456263869927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.70182799401235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.74453779349273

n =  2768
somme des inverses des racines des entiers jusqu a n =  103.77272028281914
2*sqrt(n) =  105.22357150372724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.72047552208969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.76372732699602

n =  2769
somme des inverses des racines des entiers jusqu a n =  103.79172399840877
2*sqrt(n) =  105.24257693538296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.739119747312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.78291336186844

n =  2770
somme des inverses des racines des entiers jusqu a n =  103.81072428341518
2*sqrt(n) =  105.26157893552613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.75776067144476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.80209590001682

n =  2771
somme des inverses des racines des entiers jusqu a n =  103.8297211396956
2*sqrt(n) =  105.28057750601485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.77639829625187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.82127494334634

n =  2772
somme des inverses des racines des entiers jusqu a n =  103.84871456910554
2*sqrt(n) =  105.29957264870546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.79503262349567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.84045049376036

n =  2773
somme des inverses des racines des entiers jusqu a n =  103.86770457349888
2*sqrt(n) =  105.31856436545269
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.81366365493692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.85962255316058

n =  2774
somme des inverses des racines des entiers jusqu a n =  103.88669115472781
2*sqrt(n) =  105.33755265810954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.83229139233477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.87879112344693

n =  2775
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somme des inverses des racines des entiers jusqu a n =  103.90567431464287
2*sqrt(n) =  105.35653752852738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.85091583744685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.89795620651765

n =  2776
somme des inverses des racines des entiers jusqu a n =  103.92465405509289
2*sqrt(n) =  105.37551897855593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.86953699202924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.91711780426927

n =  2777
somme des inverses des racines des entiers jusqu a n =  103.94363037792509
2*sqrt(n) =  105.39449701004318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.88815485783638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.93627591859658

n =  2778
somme des inverses des racines des entiers jusqu a n =  103.962603284985
2*sqrt(n) =  105.41347162483551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.90676943662122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.95543055139265

n =  2779
somme des inverses des racines des entiers jusqu a n =  103.98157277811647
2*sqrt(n) =  105.43244282477761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.92538073013512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.97458170454885

n =  2780
somme des inverses des racines des entiers jusqu a n =  104.00053885916175
2*sqrt(n) =  105.45141061171255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.94398874012786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  109.99372937995489

n =  2781
somme des inverses des racines des entiers jusqu a n =  104.01950152996137
2*sqrt(n) =  105.47037498748168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.96259346834772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.01287357949866

n =  2782
somme des inverses des racines des entiers jusqu a n =  104.03846079235424
2*sqrt(n) =  105.48933595392475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.98119491654137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.03201430506644

n =  2783
somme des inverses des racines des entiers jusqu a n =  104.05741664817761
2*sqrt(n) =  105.50829351287983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  94.99979308645395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.05115155854277

n =  2784
somme des inverses des racines des entiers jusqu a n =  104.07636909926708
2*sqrt(n) =  105.52724766618336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.01838797982904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.0702853418105

n =  2785
somme des inverses des racines des entiers jusqu a n =  104.09531814745661
2*sqrt(n) =  105.54619841567009
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.0369795984087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.08941565675077
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n =  2786
somme des inverses des racines des entiers jusqu a n =  104.1142637945785
2*sqrt(n) =  105.56514576317318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.05556794393343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.10854250524305

n =  2787
somme des inverses des racines des entiers jusqu a n =  104.13320604246343
2*sqrt(n) =  105.5840897105241
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.07415301814216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.12766588916507

n =  2788
somme des inverses des racines des entiers jusqu a n =  104.1521448929404
2*sqrt(n) =  105.60303025955268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.09273482277227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.14678581039288

n =  2789
somme des inverses des racines des entiers jusqu a n =  104.17108034783679
2*sqrt(n) =  105.62196741208714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.11131335955966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.16590227080088

n =  2790
somme des inverses des racines des entiers jusqu a n =  104.19001240897836
2*sqrt(n) =  105.64090116995405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.12988863023864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.18501527226175

n =  2791
somme des inverses des racines des entiers jusqu a n =  104.20894107818921
2*sqrt(n) =  105.65983153497832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.14846063654201
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.20412481664648

n =  2792
somme des inverses des racines des entiers jusqu a n =  104.22786635729183
2*sqrt(n) =  105.67875850898325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.16702938020099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.22323090582438

n =  2793
somme des inverses des racines des entiers jusqu a n =  104.24678824810705
2*sqrt(n) =  105.69768209379049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.18559486294532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.24233354166307

n =  2794
somme des inverses des racines des entiers jusqu a n =  104.26570675245408
2*sqrt(n) =  105.71660229122008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.20415708650319
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.26143272602853

n =  2795
somme des inverses des racines des entiers jusqu a n =  104.28462187215052
2*sqrt(n) =  105.73551910309043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.22271605260123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.28052846078502

n =  2796
somme des inverses des racines des entiers jusqu a n =  104.30353360901233
2*sqrt(n) =  105.75443253121828
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.24127176296459
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.29962074779513

n =  2797
somme des inverses des racines des entiers jusqu a n =  104.32244196485385
2*sqrt(n) =  105.77334257741882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.25982421931687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.31870958891979

n =  2798
somme des inverses des racines des entiers jusqu a n =  104.34134694148779
2*sqrt(n) =  105.79224924350555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.27837342338013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.33779498601827

n =  2799
somme des inverses des racines des entiers jusqu a n =  104.36024854072524
2*sqrt(n) =  105.81115253129039
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.29691937687494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.35687694094811

n =  2800
somme des inverses des racines des entiers jusqu a n =  104.3791467643757
2*sqrt(n) =  105.83005244258362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.31546208152034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.37595545556526

n =  2801
somme des inverses des racines des entiers jusqu a n =  104.39804161424703
2*sqrt(n) =  105.84894897919393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.33400153903384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.39503053172399

n =  2802
somme des inverses des racines des entiers jusqu a n =  104.41693309214548
2*sqrt(n) =  105.86784214292837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.35253775113142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.41410217127684

n =  2803
somme des inverses des racines des entiers jusqu a n =  104.4358211998757
2*sqrt(n) =  105.88673193559238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.3710707195276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.43317037607477

n =  2804
somme des inverses des racines des entiers jusqu a n =  104.45470593924071
2*sqrt(n) =  105.90561835898981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.38960044593534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.45223514796704

n =  2805
somme des inverses des racines des entiers jusqu a n =  104.47358731204194
2*sqrt(n) =  105.92450141492289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.4081269320661
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.47129648880129

n =  2806
somme des inverses des racines des entiers jusqu a n =  104.49246532007922
2*sqrt(n) =  105.94338110519222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.42665017962982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.49035440042341

n =  2807
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somme des inverses des racines des entiers jusqu a n =  104.51133996515075
2*sqrt(n) =  105.96225743159684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.44517019033496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.50940888467778

n =  2808
somme des inverses des racines des entiers jusqu a n =  104.53021124905317
2*sqrt(n) =  105.98113039593416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.46368696588846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.528459943407

n =  2809
somme des inverses des racines des entiers jusqu a n =  104.54907917358148
2*sqrt(n) =  106.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.48220050799576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.54750757845211

n =  2810
somme des inverses des racines des entiers jusqu a n =  104.56794374052909
2*sqrt(n) =  106.01886624558857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.50071081836079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.56655179165246

n =  2811
somme des inverses des racines des entiers jusqu a n =  104.58680495168784
2*sqrt(n) =  106.03772913449251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.51921789868598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.58559258484577

n =  2812
somme des inverses des racines des entiers jusqu a n =  104.60566280884795
2*sqrt(n) =  106.05658866850281
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.53772175067226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.60462995986809

n =  2813
somme des inverses des racines des entiers jusqu a n =  104.62451731379808
2*sqrt(n) =  106.07544484940895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.55622237601911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.62366391855387

n =  2814
somme des inverses des racines des entiers jusqu a n =  104.64336846832526
2*sqrt(n) =  106.09429767899876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.57471977642443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.64269446273592

n =  2815
somme des inverses des racines des entiers jusqu a n =  104.66221627421497
2*sqrt(n) =  106.11314715905847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.59321395358468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.66172159424536

n =  2816
somme des inverses des racines des entiers jusqu a n =  104.68106073325109
2*sqrt(n) =  106.1319932913728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.61170490919487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.68074531491176

n =  2817
somme des inverses des racines des entiers jusqu a n =  104.6999018472159
2*sqrt(n) =  106.15083607772479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.63019264494842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.69976562656296
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n =  2818
somme des inverses des racines des entiers jusqu a n =  104.71873961789012
2*sqrt(n) =  106.16967551989597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.64867716253735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.71878253102528

n =  2819
somme des inverses des racines des entiers jusqu a n =  104.73757404705289
2*sqrt(n) =  106.18851161966627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.66715846365216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.73779603012332

n =  2820
somme des inverses des racines des entiers jusqu a n =  104.75640513648176
2*sqrt(n) =  106.20734437881403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.68563654998188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.7568061256801

n =  2821
somme des inverses des racines des entiers jusqu a n =  104.77523288795271
2*sqrt(n) =  106.22617379911601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.70411142321402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.775812819517

n =  2822
somme des inverses des racines des entiers jusqu a n =  104.79405730324015
2*sqrt(n) =  106.2449998823474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.72258308503464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.79481611345378

n =  2823
somme des inverses des racines des entiers jusqu a n =  104.81287838411693
2*sqrt(n) =  106.26382263028185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.74105153712837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.8138160093086

n =  2824
somme des inverses des racines des entiers jusqu a n =  104.8316961323543
2*sqrt(n) =  106.28264204469139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.75951678117826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.83281250889794

n =  2825
somme des inverses des racines des entiers jusqu a n =  104.85051054972197
2*sqrt(n) =  106.30145812734649
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.77797881886596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.85180561403676

n =  2826
somme des inverses des racines des entiers jusqu a n =  104.86932163798808
2*sqrt(n) =  106.3202708800161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.79643765187163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.87079532653833

n =  2827
somme des inverses des racines des entiers jusqu a n =  104.88812939891919
2*sqrt(n) =  106.33908030446756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.81489328187398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.88978164821435

n =  2828
somme des inverses des racines des entiers jusqu a n =  104.90693383428031
2*sqrt(n) =  106.35788640246665
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.83334571055019
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.90876458087487

n =  2829
somme des inverses des racines des entiers jusqu a n =  104.92573494583489
2*sqrt(n) =  106.3766891757776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.85179493957604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.92774412632838

n =  2830
somme des inverses des racines des entiers jusqu a n =  104.94453273534481
2*sqrt(n) =  106.39548862616309
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.8702409706258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.94672028638172

n =  2831
somme des inverses des racines des entiers jusqu a n =  104.96332720457042
2*sqrt(n) =  106.41428475538423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.88868380537234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.96569306284017

n =  2832
somme des inverses des racines des entiers jusqu a n =  104.98211835527049
2*sqrt(n) =  106.43307756520056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.90712344548696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  110.98466245750737

n =  2833
somme des inverses des racines des entiers jusqu a n =  105.00090618920225
2*sqrt(n) =  106.45186705737011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.9255598926396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.00362847218537

n =  2834
somme des inverses des racines des entiers jusqu a n =  105.01969070812139
2*sqrt(n) =  106.47065323364932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.94399314849869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.02259110867462

n =  2835
somme des inverses des racines des entiers jusqu a n =  105.03847191378202
2*sqrt(n) =  106.4894360957931
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.96242321473125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.04155036877401

n =  2836
somme des inverses des racines des entiers jusqu a n =  105.05724980793674
2*sqrt(n) =  106.50821564555478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.98085009300277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.0605062542808

n =  2837
somme des inverses des racines des entiers jusqu a n =  105.07602439233658
2*sqrt(n) =  106.5269918846862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  95.99927378497735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.07945876699061

n =  2838
somme des inverses des racines des entiers jusqu a n =  105.09479566873104
2*sqrt(n) =  106.54576481493763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.01769429231764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.09840790869761

n =  2839
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somme des inverses des racines des entiers jusqu a n =  105.11356363886807
2*sqrt(n) =  106.56453443805776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.03611161668479
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.11735368119425

n =  2840
somme des inverses des racines des entiers jusqu a n =  105.1323283044941
2*sqrt(n) =  106.58330075579383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.05452575973858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.13629608627144

n =  2841
somme des inverses des racines des entiers jusqu a n =  105.15108966735399
2*sqrt(n) =  106.60206376989143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.07293672313725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.15523512571852

n =  2842
somme des inverses des racines des entiers jusqu a n =  105.16984772919109
2*sqrt(n) =  106.62082348209472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.09134450853767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.17417080132324

n =  2843
somme des inverses des racines des entiers jusqu a n =  105.18860249174722
2*sqrt(n) =  106.63957989414625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.10974911759526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.19310311487175

n =  2844
somme des inverses des racines des entiers jusqu a n =  105.20735395676265
2*sqrt(n) =  106.65833300778706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.12815055196394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.21203206814863

n =  2845
somme des inverses des racines des entiers jusqu a n =  105.22610212597614
2*sqrt(n) =  106.6770828247567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.14654881329626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.2309576629369

n =  2846
somme des inverses des racines des entiers jusqu a n =  105.24484700112491
2*sqrt(n) =  106.69582934679312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.16494390324333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.24987990101802

n =  2847
somme des inverses des racines des entiers jusqu a n =  105.26358858394465
2*sqrt(n) =  106.7145725756328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.18333582345477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.26879878417182

n =  2848
somme des inverses des racines des entiers jusqu a n =  105.28232687616955
2*sqrt(n) =  106.73331251301067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.20172457557881
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.2877143141766

n =  2849
somme des inverses des racines des entiers jusqu a n =  105.30106187953224
2*sqrt(n) =  106.75204916066015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.22011016126224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.3066264928091
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n =  2850
somme des inverses des racines des entiers jusqu a n =  105.31979359576387
2*sqrt(n) =  106.7707825203131
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.23849258215041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.32553532184446

n =  2851
somme des inverses des racines des entiers jusqu a n =  105.33852202659405
2*sqrt(n) =  106.78951259369995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.25687183988728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.34444080305629

n =  2852
somme des inverses des racines des entiers jusqu a n =  105.35724717375088
2*sqrt(n) =  106.80823938254952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.27524793611533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.3633429382166

n =  2853
somme des inverses des racines des entiers jusqu a n =  105.37596903896093
2*sqrt(n) =  106.82696288858914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.29362087247564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.38224172909588

n =  2854
somme des inverses des racines des entiers jusqu a n =  105.3946876239493
2*sqrt(n) =  106.84568311354465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.31199065060787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.40113717746304

n =  2855
somme des inverses des racines des entiers jusqu a n =  105.41340293043952
2*sqrt(n) =  106.86440005914037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.33035727215025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.42002928508542

n =  2856
somme des inverses des racines des entiers jusqu a n =  105.43211496015364
2*sqrt(n) =  106.8831137270991
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.34872073873963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.43891805372883

n =  2857
somme des inverses des racines des entiers jusqu a n =  105.45082371481222
2*sqrt(n) =  106.90182411914213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.36708105201137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.45780348515751

n =  2858
somme des inverses des racines des entiers jusqu a n =  105.46952919613429
2*sqrt(n) =  106.92053123698928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.38543821359947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.47668558113418

n =  2859
somme des inverses des racines des entiers jusqu a n =  105.4882314058374
2*sqrt(n) =  106.9392350823588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.4037922251365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.49556434341996

n =  2860
somme des inverses des racines des entiers jusqu a n =  105.50693034563757
2*sqrt(n) =  106.9579356569675
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.42214308825362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.51443977377446

n =  2861
somme des inverses des racines des entiers jusqu a n =  105.52562601724934
2*sqrt(n) =  106.97663296253066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.44049080458055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.53331187395571

n =  2862
somme des inverses des racines des entiers jusqu a n =  105.54431842238574
2*sqrt(n) =  106.99532700076205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.45883537574565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.55218064572024

n =  2863
somme des inverses des racines des entiers jusqu a n =  105.56300756275832
2*sqrt(n) =  107.01401777337396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.47717680337585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.57104609082302

n =  2864
somme des inverses des racines des entiers jusqu a n =  105.58169344007712
2*sqrt(n) =  107.03270528207722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.49551508909668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.58990821101747

n =  2865
somme des inverses des racines des entiers jusqu a n =  105.60037605605069
2*sqrt(n) =  107.05138952858108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.51385023453224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.6087670080555

n =  2866
somme des inverses des racines des entiers jusqu a n =  105.6190554123861
2*sqrt(n) =  107.07007051459338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.53218224130526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.62762248368743

n =  2867
somme des inverses des racines des entiers jusqu a n =  105.63773151078894
2*sqrt(n) =  107.08874824182044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.55051111103708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.64647463966212

n =  2868
somme des inverses des racines des entiers jusqu a n =  105.65640435296326
2*sqrt(n) =  107.10742271196708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.56883684534756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.66532347772683

n =  2869
somme des inverses des racines des entiers jusqu a n =  105.6750739406117
2*sqrt(n) =  107.12609392673663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.58715944585526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.6841689996273

n =  2870
somme des inverses des racines des entiers jusqu a n =  105.69374027543536
2*sqrt(n) =  107.144761887831
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.60547891417734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.70301120710782

n =  2871
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somme des inverses des racines des entiers jusqu a n =  105.71240335913389
2*sqrt(n) =  107.16342659695052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.62379525192945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.72185010191104

n =  2872
somme des inverses des racines des entiers jusqu a n =  105.73106319340543
2*sqrt(n) =  107.1820880557941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.64210846072599
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.74068568577815

n =  2873
somme des inverses des racines des entiers jusqu a n =  105.74971977994669
2*sqrt(n) =  107.20074626605917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.66041854217988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.7595179604488

n =  2874
somme des inverses des racines des entiers jusqu a n =  105.76837312045285
2*sqrt(n) =  107.21940122944169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.67872549790272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.77834692766116

n =  2875
somme des inverses des racines des entiers jusqu a n =  105.78702321661765
2*sqrt(n) =  107.23805294763608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.69702932950463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.7971725891518

n =  2876
somme des inverses des racines des entiers jusqu a n =  105.80567007013336
2*sqrt(n) =  107.25670142233538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.71533003859444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.81599494665585

n =  2877
somme des inverses des racines des entiers jusqu a n =  105.82431368269076
2*sqrt(n) =  107.27534665523109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.73362762677955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.83481400190686

n =  2878
somme des inverses des racines des entiers jusqu a n =  105.84295405597915
2*sqrt(n) =  107.29398864801327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.75192209566596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.85362975663692

n =  2879
somme des inverses des racines des entiers jusqu a n =  105.8615911916864
2*sqrt(n) =  107.3126274023705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.77021344685832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.87244221257657

n =  2880
somme des inverses des racines des entiers jusqu a n =  105.8802250914989
2*sqrt(n) =  107.33126291998991
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.78850168195993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.8912513714549

n =  2881
somme des inverses des racines des entiers jusqu a n =  105.89885575710157
2*sqrt(n) =  107.34989520255714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.80678680257262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.9100572349994
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n =  2882
somme des inverses des racines des entiers jusqu a n =  105.91748319017786
2*sqrt(n) =  107.36852425175638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.82506881029693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.92885980493611

n =  2883
somme des inverses des racines des entiers jusqu a n =  105.93610739240978
2*sqrt(n) =  107.38715006927039
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.84334770673199
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.94765908298959

n =  2884
somme des inverses des racines des entiers jusqu a n =  105.95472836547788
2*sqrt(n) =  107.40577265678041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.86162349347558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.96645507088283

n =  2885
somme des inverses des racines des entiers jusqu a n =  105.97334611106123
2*sqrt(n) =  107.42439201596628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.87989617212408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  111.98524777033737

n =  2886
somme des inverses des racines des entiers jusqu a n =  105.99196063083748
2*sqrt(n) =  107.44300814850634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.89816574427252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.00403718307324

n =  2887
somme des inverses des racines des entiers jusqu a n =  106.0105719264828
2*sqrt(n) =  107.4616210560775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.91643221151458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.02282331080897

n =  2888
somme des inverses des racines des entiers jusqu a n =  106.02917999967191
2*sqrt(n) =  107.48023074035522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.93469557544252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.04160615526158

n =  2889
somme des inverses des racines des entiers jusqu a n =  106.04778485207811
2*sqrt(n) =  107.49883720301351
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.95295583764728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.06038571814662

n =  2890
somme des inverses des racines des entiers jusqu a n =  106.06638648537322
2*sqrt(n) =  107.5174404457249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.97121299971843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.07916200117813

n =  2891
somme des inverses des racines des entiers jusqu a n =  106.08498490122761
2*sqrt(n) =  107.53604047016051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  96.98946706324418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.09793500606868

n =  2892
somme des inverses des racines des entiers jusqu a n =  106.10358010131026
2*sqrt(n) =  107.55463727799001
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.00771802981136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.11670473452934

n =  2893
somme des inverses des racines des entiers jusqu a n =  106.12217208728863
2*sqrt(n) =  107.57323087088163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.0259659010055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.13547118826969

n =  2894
somme des inverses des racines des entiers jusqu a n =  106.1407608608288
2*sqrt(n) =  107.59182125050212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.04421067841069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.15423436899783

n =  2895
somme des inverses des racines des entiers jusqu a n =  106.1593464235954
2*sqrt(n) =  107.61040841851684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.06245236360975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.17299427842039

n =  2896
somme des inverses des racines des entiers jusqu a n =  106.17792877725158
2*sqrt(n) =  107.62899237658968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.08069095818408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.19175091824248

n =  2897
somme des inverses des racines des entiers jusqu a n =  106.19650792345911
2*sqrt(n) =  107.64757312638311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.09892646371377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.21050429016778

n =  2898
somme des inverses des racines des entiers jusqu a n =  106.21508386387829
2*sqrt(n) =  107.66615066955816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.11715888177754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.22925439589848

n =  2899
somme des inverses des racines des entiers jusqu a n =  106.233656600168
2*sqrt(n) =  107.68472500777443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.13538821395278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.24800123713526

n =  2900
somme des inverses des racines des entiers jusqu a n =  106.25222613398572
2*sqrt(n) =  107.70329614269008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.15361446181552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.26674481557735

n =  2901
somme des inverses des racines des entiers jusqu a n =  106.27079246698743
2*sqrt(n) =  107.72186407596185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.17183762694044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.28548513292255

n =  2902
somme des inverses des racines des entiers jusqu a n =  106.28935560082776
2*sqrt(n) =  107.74042880924505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.19005771090092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.30422219086711

n =  2903
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somme des inverses des racines des entiers jusqu a n =  106.30791553715987
2*sqrt(n) =  107.75899034419355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.20827471526893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.32295599110586

n =  2904
somme des inverses des racines des entiers jusqu a n =  106.3264722776355
2*sqrt(n) =  107.77754868245984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.22648864161516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.34168653533217

n =  2905
somme des inverses des racines des entiers jusqu a n =  106.34502582390499
2*sqrt(n) =  107.79610382569493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.24469949150892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.36041382523793

n =  2906
somme des inverses des racines des entiers jusqu a n =  106.36357617761723
2*sqrt(n) =  107.81465577554843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.26290726651821
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.37913786251355

n =  2907
somme des inverses des racines des entiers jusqu a n =  106.38212334041972
2*sqrt(n) =  107.83320453366856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.2811119682097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.397858648848

n =  2908
somme des inverses des racines des entiers jusqu a n =  106.40066731395854
2*sqrt(n) =  107.85175010170211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.2993135981487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.4165761859288

n =  2909
somme des inverses des racines des entiers jusqu a n =  106.41920809987832
2*sqrt(n) =  107.8702924812944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.3175121578992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.435290475442

n =  2910
somme des inverses des racines des entiers jusqu a n =  106.43774569982232
2*sqrt(n) =  107.88883167408942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.33570764902389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.45400151907218

n =  2911
somme des inverses des racines des entiers jusqu a n =  106.45628011543236
2*sqrt(n) =  107.90736768172968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.35390007308406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.4727093185025

n =  2912
somme des inverses des racines des entiers jusqu a n =  106.4748113483489
2*sqrt(n) =  107.92590050585633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.37208943163976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.49141387541462

n =  2913
somme des inverses des racines des entiers jusqu a n =  106.49333940021091
2*sqrt(n) =  107.94443014810908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.39027572624966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.5101151914888
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n =  2914
somme des inverses des racines des entiers jusqu a n =  106.51186427265603
2*sqrt(n) =  107.96295661012624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.4084589584711
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.52881326840381

n =  2915
somme des inverses des racines des entiers jusqu a n =  106.53038596732044
2*sqrt(n) =  107.9814798935447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.42663912986012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.54750810783699

n =  2916
somme des inverses des racines des entiers jusqu a n =  106.54890448583896
2*sqrt(n) =  108.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.44481624197145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.56619971146426

n =  2917
somme des inverses des racines des entiers jusqu a n =  106.56741982984498
2*sqrt(n) =  108.01851693112621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.4629902963585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.58488808096007

n =  2918
somme des inverses des racines des entiers jusqu a n =  106.5859320009705
2*sqrt(n) =  108.03703068855604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.48116129457331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.60357321799741

n =  2919
somme des inverses des racines des entiers jusqu a n =  106.60444100084614
2*sqrt(n) =  108.0555412739208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.49932923816668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.62225512424784

n =  2920
somme des inverses des racines des entiers jusqu a n =  106.62294683110107
2*sqrt(n) =  108.07404868885037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.51749412868804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.64093380138152

n =  2921
somme des inverses des racines des entiers jusqu a n =  106.64144949336314
2*sqrt(n) =  108.09255293497328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.53565596768554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.65960925106715

n =  2922
somme des inverses des racines des entiers jusqu a n =  106.65994898925875
2*sqrt(n) =  108.11105401391663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.55381475670599
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.67828147497195

n =  2923
somme des inverses des racines des entiers jusqu a n =  106.67844532041292
2*sqrt(n) =  108.12955192730617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.57197049729493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.69695047476179

n =  2924
somme des inverses des racines des entiers jusqu a n =  106.6969384884493
2*sqrt(n) =  108.1480466767662
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.59012319099654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.71561625210103

n =  2925
somme des inverses des racines des entiers jusqu a n =  106.71542849499015
2*sqrt(n) =  108.16653826391968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.60827283935373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.73427880865265

n =  2926
somme des inverses des racines des entiers jusqu a n =  106.73391534165631
2*sqrt(n) =  108.18502669038817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.6264194439081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.75293814607821

n =  2927
somme des inverses des racines des entiers jusqu a n =  106.75239903006728
2*sqrt(n) =  108.20351195779183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.64456300619995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.77159426603777

n =  2928
somme des inverses des racines des entiers jusqu a n =  106.77087956184114
2*sqrt(n) =  108.22199406774946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.66270352776827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.79024717019006

n =  2929
somme des inverses des racines des entiers jusqu a n =  106.78935693859462
2*sqrt(n) =  108.24047302187847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.68084101015074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.80889686019233

n =  2930
somme des inverses des racines des entiers jusqu a n =  106.80783116194306
2*sqrt(n) =  108.25894882179486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.69897545488375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.8275433377004

n =  2931
somme des inverses des racines des entiers jusqu a n =  106.8263022335004
2*sqrt(n) =  108.2774214691133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.71710686350242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.84618660436875

n =  2932
somme des inverses des racines des entiers jusqu a n =  106.84477015487923
2*sqrt(n) =  108.29589096544707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.73523523754054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.86482666185034

n =  2933
somme des inverses des racines des entiers jusqu a n =  106.86323492769075
2*sqrt(n) =  108.31435731240803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.75336057853059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.88346351179676

n =  2934
somme des inverses des racines des entiers jusqu a n =  106.88169655354481
2*sqrt(n) =  108.33282051160673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.7714828880038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.90209715585819

n =  2935
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somme des inverses des racines des entiers jusqu a n =  106.90015503404986
2*sqrt(n) =  108.3512805646523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.7896021674901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.92072759568339

n =  2936
somme des inverses des racines des entiers jusqu a n =  106.918610370813
2*sqrt(n) =  108.36973747315253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.80771841851812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.93935483291972

n =  2937
somme des inverses des racines des entiers jusqu a n =  106.93706256543994
2*sqrt(n) =  108.38819123871383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.82583164261521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.95797886921314

n =  2938
somme des inverses des racines des entiers jusqu a n =  106.95551161953507
2*sqrt(n) =  108.40664186294121
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.8439418413074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.97659970620812

n =  2939
somme des inverses des racines des entiers jusqu a n =  106.97395753470136
2*sqrt(n) =  108.4250893474384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.86204901611949
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  112.99521734554786

n =  2940
somme des inverses des racines des entiers jusqu a n =  106.99240031254044
2*sqrt(n) =  108.44353369380767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.88015316857495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.01383178887403

n =  2941
somme des inverses des racines des entiers jusqu a n =  107.01083995465258
2*sqrt(n) =  108.46197490364999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.898254300196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.03244303782698

n =  2942
somme des inverses des racines des entiers jusqu a n =  107.0292764626367
2*sqrt(n) =  108.48041297856494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.91635241250357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.05105109404563

n =  2943
somme des inverses des racines des entiers jusqu a n =  107.04770983809034
2*sqrt(n) =  108.49884792015075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.93444750701728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.06965595916748

n =  2944
somme des inverses des racines des entiers jusqu a n =  107.0661400826097
2*sqrt(n) =  108.51727973000429
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.95253958525552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.08825763482866

n =  2945
somme des inverses des racines des entiers jusqu a n =  107.08456719778962
2*sqrt(n) =  108.53570840972108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.9706286487354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.10685612266391
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n =  2946
somme des inverses des racines des entiers jusqu a n =  107.10299118522359
2*sqrt(n) =  108.55413396089529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  97.98871469897271
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.12545142430656

n =  2947
somme des inverses des racines des entiers jusqu a n =  107.12141204650372
2*sqrt(n) =  108.57255638511971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.00679773748202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.14404354138856

n =  2948
somme des inverses des racines des entiers jusqu a n =  107.13982978322082
2*sqrt(n) =  108.59097568398582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.0248777657766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.16263247554042

n =  2949
somme des inverses des racines des entiers jusqu a n =  107.1582443969643
2*sqrt(n) =  108.60939185908371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.04295478536844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.18121822839134

n =  2950
somme des inverses des racines des entiers jusqu a n =  107.17665588932228
2*sqrt(n) =  108.62780491200216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.0610287977683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.1998008015691

n =  2951
somme des inverses des racines des entiers jusqu a n =  107.19506426188147
2*sqrt(n) =  108.64621484432857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.07909980448564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.21838019670004

n =  2952
somme des inverses des racines des entiers jusqu a n =  107.21346951622728
2*sqrt(n) =  108.664621657649
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.09716780702864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.23695641540917

n =  2953
somme des inverses des racines des entiers jusqu a n =  107.23187165394376
2*sqrt(n) =  108.6830253535482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.11523280690429
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.25552945932016

n =  2954
somme des inverses des racines des entiers jusqu a n =  107.25027067661362
2*sqrt(n) =  108.70142593360954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.13329480561822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.2740993300552

n =  2955
somme des inverses des racines des entiers jusqu a n =  107.26866658581827
2*sqrt(n) =  108.71982339941506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.15135380467487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.29266602923516

n =  2956
somme des inverses des racines des entiers jusqu a n =  107.2870593831377
2*sqrt(n) =  108.7382177525455
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.1694098055774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.31122955847954

n =  2957
somme des inverses des racines des entiers jusqu a n =  107.30544907015066
2*sqrt(n) =  108.75660899458019
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.18746280982772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.32978991940642

n =  2958
somme des inverses des racines des entiers jusqu a n =  107.32383564843448
2*sqrt(n) =  108.77499712709718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.20551281892644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.34834711363254

n =  2959
somme des inverses des racines des entiers jusqu a n =  107.34221911956521
2*sqrt(n) =  108.79338215167317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.22355983437296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.36690114277327

n =  2960
somme des inverses des racines des entiers jusqu a n =  107.36059948511756
2*sqrt(n) =  108.81176406988355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.24160385766545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.3854520084426

n =  2961
somme des inverses des racines des entiers jusqu a n =  107.37897674666489
2*sqrt(n) =  108.83014288330233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.25964489030075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.40399971225312

n =  2962
somme des inverses des racines des entiers jusqu a n =  107.39735090577925
2*sqrt(n) =  108.84851859350222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.27768293377449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.42254425581609

n =  2963
somme des inverses des racines des entiers jusqu a n =  107.41572196403136
2*sqrt(n) =  108.86689120205463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.29571798958108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.4410856407414

n =  2964
somme des inverses des racines des entiers jusqu a n =  107.43408992299062
2*sqrt(n) =  108.8852607105296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.31375005921362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.45962386863758

n =  2965
somme des inverses des racines des entiers jusqu a n =  107.45245478422511
2*sqrt(n) =  108.90362712049586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.33177914416403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.47815894111176

n =  2966
somme des inverses des racines des entiers jusqu a n =  107.47081654930156
2*sqrt(n) =  108.92199043352082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.34980524592295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.49669085976976

n =  2967
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somme des inverses des racines des entiers jusqu a n =  107.48917521978541
2*sqrt(n) =  108.94035065117058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.36782836597976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.51521962621598

n =  2968
somme des inverses des racines des entiers jusqu a n =  107.50753079724076
2*sqrt(n) =  108.95870777500988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.38584850582262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.53374524205351

n =  2969
somme des inverses des racines des entiers jusqu a n =  107.52588328323043
2*sqrt(n) =  108.97706180660222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.40386566693847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.5522677088841

n =  2970
somme des inverses des racines des entiers jusqu a n =  107.54423267931587
2*sqrt(n) =  108.9954127475097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.42187985081296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.57078702830808

n =  2971
somme des inverses des racines des entiers jusqu a n =  107.56257898705725
2*sqrt(n) =  109.01376059929315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.43989105893054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.58930320192445

n =  2972
somme des inverses des racines des entiers jusqu a n =  107.58092220801343
2*sqrt(n) =  109.03210536351209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.45789929277444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.6078162313309

n =  2973
somme des inverses des racines des entiers jusqu a n =  107.59926234374194
2*sqrt(n) =  109.05044704172468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.47590455382658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.62632611812373

n =  2974
somme des inverses des racines des entiers jusqu a n =  107.61759939579902
2*sqrt(n) =  109.06878563548784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.49390684356774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.64483286389789

n =  2975
somme des inverses des racines des entiers jusqu a n =  107.63593336573959
2*sqrt(n) =  109.08712114635715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.51190616347742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.663336470247

n =  2976
somme des inverses des racines des entiers jusqu a n =  107.65426425511725
2*sqrt(n) =  109.10545357588684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.52990251503387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.68183693876333

n =  2977
somme des inverses des racines des entiers jusqu a n =  107.67259206548434
2*sqrt(n) =  109.12378292562992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.54789589971415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.7003342710378
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n =  2978
somme des inverses des racines des entiers jusqu a n =  107.69091679839185
2*sqrt(n) =  109.14210919713803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.56588631899407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.71882846865999

n =  2979
somme des inverses des racines des entiers jusqu a n =  107.7092384553895
2*sqrt(n) =  109.1604323919615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.58387377434823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.73731953321814

n =  2980
somme des inverses des racines des entiers jusqu a n =  107.72755703802568
2*sqrt(n) =  109.17875251164945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.60185826725001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.75580746629917

n =  2981
somme des inverses des racines des entiers jusqu a n =  107.74587254784751
2*sqrt(n) =  109.19706955774959
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.61983979917152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.77429226948861

n =  2982
somme des inverses des racines des entiers jusqu a n =  107.7641849864008
2*sqrt(n) =  109.21538353180837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.63781837158369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.79277394437071

n =  2983
somme des inverses des racines des entiers jusqu a n =  107.78249435523007
2*sqrt(n) =  109.23369443537099
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.65579398595625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.81125249252837

n =  2984
somme des inverses des racines des entiers jusqu a n =  107.80080065587853
2*sqrt(n) =  109.2520022699813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.67376664375766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.82972791554313

n =  2985
somme des inverses des racines des entiers jusqu a n =  107.81910388988811
2*sqrt(n) =  109.27030703718188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.69173634645519
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.84820021499523

n =  2986
somme des inverses des racines des entiers jusqu a n =  107.83740405879945
2*sqrt(n) =  109.288608738514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.70970309551487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.86666939246356

n =  2987
somme des inverses des racines des entiers jusqu a n =  107.8557011641519
2*sqrt(n) =  109.30690737551767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.72766689240156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.88513544952572

n =  2988
somme des inverses des racines des entiers jusqu a n =  107.87399520748352
2*sqrt(n) =  109.32520294973159
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.74562773857889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.90359838775794

n =  2989
somme des inverses des racines des entiers jusqu a n =  107.89228619033108
2*sqrt(n) =  109.34349546269316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.76358563550923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.92205820873512

n =  2990
somme des inverses des racines des entiers jusqu a n =  107.91057411423006
2*sqrt(n) =  109.36178491593853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.7815405846538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.94051491403089

n =  2991
somme des inverses des racines des entiers jusqu a n =  107.92885898071468
2*sqrt(n) =  109.38007131100254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.7994925874726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.95896850521751

n =  2992
somme des inverses des racines des entiers jusqu a n =  107.94714079131786
2*sqrt(n) =  109.39835464941875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.81744164542438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.97741898386593

n =  2993
somme des inverses des racines des entiers jusqu a n =  107.96541954757124
2*sqrt(n) =  109.41663493271945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.83538775996675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  113.99586635154579

n =  2994
somme des inverses des racines des entiers jusqu a n =  107.98369525100519
2*sqrt(n) =  109.43491216243562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.85333093255605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.0143106098254

n =  2995
somme des inverses des racines des entiers jusqu a n =  108.00196790314878
2*sqrt(n) =  109.45318634009702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.87127116464748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.0327517602718

n =  2996
somme des inverses des racines des entiers jusqu a n =  108.02023750552983
2*sqrt(n) =  109.47145746723207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.88920845769496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.05118980445062

n =  2997
somme des inverses des racines des entiers jusqu a n =  108.03850405967488
2*sqrt(n) =  109.48972554536796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.9071428131513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.06962474392628

n =  2998
somme des inverses des racines des entiers jusqu a n =  108.05676756710918
2*sqrt(n) =  109.50799057603056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.92507423246803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.08805658026183

n =  2999
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somme des inverses des racines des entiers jusqu a n =  108.07502802935672
2*sqrt(n) =  109.52625256074454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.94300271709554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.10648531501904

n =  3000
somme des inverses des racines des entiers jusqu a n =  108.09328544794022
2*sqrt(n) =  109.54451150103323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.96092826848299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.12491094975834

n =  3001
somme des inverses des racines des entiers jusqu a n =  108.11153982438114
2*sqrt(n) =  109.5627673984187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.97885088807834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.14333348603888

n =  3002
somme des inverses des racines des entiers jusqu a n =  108.12979116019966
2*sqrt(n) =  109.5810202544218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  98.99677057732839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.1617529254185

n =  3003
somme des inverses des racines des entiers jusqu a n =  108.1480394569147
2*sqrt(n) =  109.59927007056206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.01468733767874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.18016926945371

n =  3004
somme des inverses des racines des entiers jusqu a n =  108.16628471604392
2*sqrt(n) =  109.61751684835777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.03260117057374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.19858251969977

n =  3005
somme des inverses des racines des entiers jusqu a n =  108.1845269391037
2*sqrt(n) =  109.63576058932597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.05051207745666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.21699267771062

n =  3006
somme des inverses des racines des entiers jusqu a n =  108.2027661276092
2*sqrt(n) =  109.6540012949824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.06842005976948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.23539974503885

n =  3007
somme des inverses des racines des entiers jusqu a n =  108.22100228307426
2*sqrt(n) =  109.67223896684156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.08632511895304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.25380372323582

n =  3008
somme des inverses des racines des entiers jusqu a n =  108.23923540701149
2*sqrt(n) =  109.6904736064167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.10422725644698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.27220461385156

n =  3009
somme des inverses des racines des entiers jusqu a n =  108.25746550093227
2*sqrt(n) =  109.70870521521982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.12212647368978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.29060241843484
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n =  3010
somme des inverses des racines des entiers jusqu a n =  108.27569256634668
2*sqrt(n) =  109.72693379476162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.1400227721187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.30899713853307

n =  3011
somme des inverses des racines des entiers jusqu a n =  108.29391660476358
2*sqrt(n) =  109.74515934655159
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.15791615316986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.32738877569246

n =  3012
somme des inverses des racines des entiers jusqu a n =  108.31213761769055
2*sqrt(n) =  109.76338187209795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.17580661827817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.34577733145784

n =  3013
somme des inverses des racines des entiers jusqu a n =  108.33035560663394
2*sqrt(n) =  109.78160137290766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.19369416887736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.36416280737281

n =  3014
somme des inverses des racines des entiers jusqu a n =  108.34857057309885
2*sqrt(n) =  109.79981785048643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.2115788064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.38254520497965

n =  3015
somme des inverses des racines des entiers jusqu a n =  108.36678251858912
2*sqrt(n) =  109.81803130633877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.22946053227749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.4009245258194

n =  3016
somme des inverses des racines des entiers jusqu a n =  108.38499144460735
2*sqrt(n) =  109.83624174196785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.24733934794001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.41930077143178

n =  3017
somme des inverses des racines des entiers jusqu a n =  108.4031973526549
2*sqrt(n) =  109.85444915887567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.26521525481661
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.4376739433552

n =  3018
somme des inverses des racines des entiers jusqu a n =  108.42140024423186
2*sqrt(n) =  109.87265355856297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.28308825433518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.45604404312687

n =  3019
somme des inverses des racines des entiers jusqu a n =  108.43960012083711
2*sqrt(n) =  109.89085494252923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.3009583479224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.47441107228265

n =  3020
somme des inverses des racines des entiers jusqu a n =  108.45779698396828
2*sqrt(n) =  109.90905331227269
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.31882553700378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.49277503235714

n =  3021
somme des inverses des racines des entiers jusqu a n =  108.47599083512175
2*sqrt(n) =  109.92724866929036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.3366898230037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.51113592488369

n =  3022
somme des inverses des racines des entiers jusqu a n =  108.49418167579267
2*sqrt(n) =  109.94544101507802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.35455120734534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.52949375139436

n =  3023
somme des inverses des racines des entiers jusqu a n =  108.51236950747497
2*sqrt(n) =  109.96363035113019
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.37240969145074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.54784851341992

n =  3024
somme des inverses des racines des entiers jusqu a n =  108.5305543316613
2*sqrt(n) =  109.98181667894016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.39026527674075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.56620021248987

n =  3025
somme des inverses des racines des entiers jusqu a n =  108.54873614984312
2*sqrt(n) =  110.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.40811796463507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.58454885013246

n =  3026
somme des inverses des racines des entiers jusqu a n =  108.56691496351064
2*sqrt(n) =  110.01818031580054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.42596775655224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.60289442787469

n =  3027
somme des inverses des racines des entiers jusqu a n =  108.58509077415283
2*sqrt(n) =  110.03635762783135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.44381465390964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.62123694724221

n =  3028
somme des inverses des racines des entiers jusqu a n =  108.60326358325746
2*sqrt(n) =  110.05453193758083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.4616586581235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.6395764097595

n =  3029
somme des inverses des racines des entiers jusqu a n =  108.62143339231103
2*sqrt(n) =  110.07270324653611
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.47949977060887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.65791281694972

n =  3030
somme des inverses des racines des entiers jusqu a n =  108.63960020279885
2*sqrt(n) =  110.09087155618307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.49733799277966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.67624617033478

n =  3031
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somme des inverses des racines des entiers jusqu a n =  108.65776401620498
2*sqrt(n) =  110.10903686800643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.51517332604863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.69457647143533

n =  3032
somme des inverses des racines des entiers jusqu a n =  108.67592483401228
2*sqrt(n) =  110.12719918348964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.53300577182738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.71290372177076

n =  3033
somme des inverses des racines des entiers jusqu a n =  108.69408265770237
2*sqrt(n) =  110.14535850411491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.55083533152633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.73122792285919

n =  3034
somme des inverses des racines des entiers jusqu a n =  108.71223748875566
2*sqrt(n) =  110.16351483136329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.56866200655482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.74954907621752

n =  3035
somme des inverses des racines des entiers jusqu a n =  108.73038932865133
2*sqrt(n) =  110.18166816671456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.58648579832096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.76786718336135

n =  3036
somme des inverses des racines des entiers jusqu a n =  108.74853817886735
2*sqrt(n) =  110.19981851164728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.60430670823176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.78618224580504

n =  3037
somme des inverses des racines des entiers jusqu a n =  108.76668404088046
2*sqrt(n) =  110.21796586763884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.6221247376931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.8044942650617

n =  3038
somme des inverses des racines des entiers jusqu a n =  108.78482691616621
2*sqrt(n) =  110.23611023616536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.63993988810965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.82280324264322

n =  3039
somme des inverses des racines des entiers jusqu a n =  108.8029668061989
2*sqrt(n) =  110.25425161870176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.65775216088497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.84110918006014

n =  3040
somme des inverses des racines des entiers jusqu a n =  108.82110371245165
2*sqrt(n) =  110.27239001672177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.6755615574215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.8594120788219

n =  3041
somme des inverses des racines des entiers jusqu a n =  108.83923763639635
2*sqrt(n) =  110.2905254316979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.69336807912055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.87771194043658
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n =  3042
somme des inverses des racines des entiers jusqu a n =  108.8573685795037
2*sqrt(n) =  110.30865786510141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.71117172738218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.89600876641103

n =  3043
somme des inverses des racines des entiers jusqu a n =  108.87549654324317
2*sqrt(n) =  110.32678731840241
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.72897250360545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.9143025582509

n =  3044
somme des inverses des racines des entiers jusqu a n =  108.89362152908303
2*sqrt(n) =  110.34491379306978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.7467704091882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.93259331746056

n =  3045
somme des inverses des racines des entiers jusqu a n =  108.91174353849036
2*sqrt(n) =  110.36303729057116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.76456544552717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.95088104554316

n =  3046
somme des inverses des racines des entiers jusqu a n =  108.929862572931
2*sqrt(n) =  110.38115781237303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.78235761401793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.96916574400058

n =  3047
somme des inverses des racines des entiers jusqu a n =  108.94797863386962
2*sqrt(n) =  110.39927535994066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.80014691605496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  114.9874474143335

n =  3048
somme des inverses des racines des entiers jusqu a n =  108.96609172276968
2*sqrt(n) =  110.41738993473808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.81793335303155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.00572605804135

n =  3049
somme des inverses des racines des entiers jusqu a n =  108.98420184109342
2*sqrt(n) =  110.43550153822818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.83571692633993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.0240016766223

n =  3050
somme des inverses des racines des entiers jusqu a n =  109.00230899030193
2*sqrt(n) =  110.45361017187261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.85349763737116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.04227427157333

n =  3051
somme des inverses des racines des entiers jusqu a n =  109.02041317185504
2*sqrt(n) =  110.47171583713181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.87127548751515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.06054384439014

n =  3052
somme des inverses des racines des entiers jusqu a n =  109.03851438721144
2*sqrt(n) =  110.48981853546506
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.88905047816073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.07881039656723

n =  3053
somme des inverses des racines des entiers jusqu a n =  109.0566126378286
2*sqrt(n) =  110.50791826833044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.90682261069557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.09707392959788

n =  3054
somme des inverses des racines des entiers jusqu a n =  109.07470792516277
2*sqrt(n) =  110.52601503718479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.92459188650622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.11533444497408

n =  3055
somme des inverses des racines des entiers jusqu a n =  109.09280025066907
2*sqrt(n) =  110.54410884348383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.94235830697814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.13359194418666

n =  3056
somme des inverses des racines des entiers jusqu a n =  109.11088961580138
2*sqrt(n) =  110.56219968868203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.96012187349562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.15184642872524

n =  3057
somme des inverses des racines des entiers jusqu a n =  109.12897602201241
2*sqrt(n) =  110.58028757423268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.97788258744185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.1700979000781

n =  3058
somme des inverses des racines des entiers jusqu a n =  109.14705947075367
2*sqrt(n) =  110.59837250158793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  99.99564045019893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.18834635973244

n =  3059
somme des inverses des racines des entiers jusqu a n =  109.16513996347551
2*sqrt(n) =  110.61645447219867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.01339546314777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.20659180917411

n =  3060
somme des inverses des racines des entiers jusqu a n =  109.18321750162707
2*sqrt(n) =  110.63453348751464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.03114762766822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.22483424988785

n =  3061
somme des inverses des racines des entiers jusqu a n =  109.20129208665631
2*sqrt(n) =  110.65260954898443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.04889694513902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.24307368335712

n =  3062
somme des inverses des racines des entiers jusqu a n =  109.21936372001001
2*sqrt(n) =  110.67068265805538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.06664341693777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.26131011106419

n =  3063
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somme des inverses des racines des entiers jusqu a n =  109.23743240313377
2*sqrt(n) =  110.68875281617369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.08438704444092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.27954353449007

n =  3064
somme des inverses des racines des entiers jusqu a n =  109.25549813747202
2*sqrt(n) =  110.70682002478438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.1021278290239
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.29777395511462

n =  3065
somme des inverses des racines des entiers jusqu a n =  109.27356092446799
2*sqrt(n) =  110.72488428533127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.11986577206096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.31600137441642

n =  3066
somme des inverses des racines des entiers jusqu a n =  109.29162076556375
2*sqrt(n) =  110.74294559925703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.13760087492527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.3342257938729

n =  3067
somme des inverses des racines des entiers jusqu a n =  109.3096776622002
2*sqrt(n) =  110.76100396800311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.15533313898887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.35244721496024

n =  3068
somme des inverses des racines des entiers jusqu a n =  109.32773161581706
2*sqrt(n) =  110.77905939300983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.17306256562269
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.3706656391534

n =  3069
somme des inverses des racines des entiers jusqu a n =  109.34578262785286
2*sqrt(n) =  110.79711187571633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.19078915619659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.38888106792619

n =  3070
somme des inverses des racines des entiers jusqu a n =  109.36383069974497
2*sqrt(n) =  110.81516141756055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.2085129120793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.40709350275117

n =  3071
somme des inverses des racines des entiers jusqu a n =  109.3818758329296
2*sqrt(n) =  110.83320801997928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.22623383463846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.42530294509969

n =  3072
somme des inverses des racines des entiers jusqu a n =  109.39991802884177
2*sqrt(n) =  110.85125168440814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.24395192524058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.44350939644191

n =  3073
somme des inverses des racines des entiers jusqu a n =  109.41795728891536
2*sqrt(n) =  110.8692924122816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.26166718525111
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.46171285824683
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n =  3074
somme des inverses des racines des entiers jusqu a n =  109.43599361458307
2*sqrt(n) =  110.8873302050329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.27937961603436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.47991333198216

n =  3075
somme des inverses des racines des entiers jusqu a n =  109.45402700727642
2*sqrt(n) =  110.90536506409417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.29708921895356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.49811081911447

n =  3076
somme des inverses des racines des entiers jusqu a n =  109.47205746842579
2*sqrt(n) =  110.92339699089638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.31479599537084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.51630532110914

n =  3077
somme des inverses des racines des entiers jusqu a n =  109.49008499946038
2*sqrt(n) =  110.9414259868693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.33249994664726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.53449683943032

n =  3078
somme des inverses des racines des entiers jusqu a n =  109.50810960180824
2*sqrt(n) =  110.95945205344158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.35020107414276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.55268537554099

n =  3079
somme des inverses des racines des entiers jusqu a n =  109.52613127689627
2*sqrt(n) =  110.97747519204066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.36789937921617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.5708709309029

n =  3080
somme des inverses des racines des entiers jusqu a n =  109.54415002615018
2*sqrt(n) =  110.99549540409286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.38559486322525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.58905350697667

n =  3081
somme des inverses des racines des entiers jusqu a n =  109.56216585099455
2*sqrt(n) =  111.01351269102334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.40328752752667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.60723310522167

n =  3082
somme des inverses des racines des entiers jusqu a n =  109.5801787528528
2*sqrt(n) =  111.03152705425607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.42097737347602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.6254097270961

n =  3083
somme des inverses des racines des entiers jusqu a n =  109.5981887331472
2*sqrt(n) =  111.04953849521392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.43866440242778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.64358337405699

n =  3084
somme des inverses des racines des entiers jusqu a n =  109.61619579329884
2*sqrt(n) =  111.06754701531857
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.45634861573535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.66175404756018

n =  3085
somme des inverses des racines des entiers jusqu a n =  109.63419993472769
2*sqrt(n) =  111.08555261599052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.47403001475104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.67992174906026

n =  3086
somme des inverses des racines des entiers jusqu a n =  109.65220115885255
2*sqrt(n) =  111.1035552986492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.4917086008261
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.69808648001074

n =  3087
somme des inverses des racines des entiers jusqu a n =  109.67019946709108
2*sqrt(n) =  111.12155506471281
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.50938437531066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.71624824186388

n =  3088
somme des inverses des racines des entiers jusqu a n =  109.6881948608598
2*sqrt(n) =  111.13955191559843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.52705733955376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.73440703607076

n =  3089
somme des inverses des racines des entiers jusqu a n =  109.70618734157406
2*sqrt(n) =  111.15754585272202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.54472749490344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.75256286408131

n =  3090
somme des inverses des racines des entiers jusqu a n =  109.7241769106481
2*sqrt(n) =  111.17553687749837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.56239484270658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.77071572734427

n =  3091
somme des inverses des racines des entiers jusqu a n =  109.74216356949496
2*sqrt(n) =  111.1935249913411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.580059384309
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.78886562730716

n =  3092
somme des inverses des racines des entiers jusqu a n =  109.76014731952661
2*sqrt(n) =  111.21151019566275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.59772112105544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.8070125654164

n =  3093
somme des inverses des racines des entiers jusqu a n =  109.7781281621538
2*sqrt(n) =  111.22949249187465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.61538005428959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.82515654311719

n =  3094
somme des inverses des racines des entiers jusqu a n =  109.79610609878623
2*sqrt(n) =  111.24747188138704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.63303618535403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.84329756185355

n =  3095
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somme des inverses des racines des entiers jusqu a n =  109.81408113083236
2*sqrt(n) =  111.26544836560899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.6506895155903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.86143562306833

n =  3096
somme des inverses des racines des entiers jusqu a n =  109.8320532596996
2*sqrt(n) =  111.28342194594845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.66834004633884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.87957072820325

n =  3097
somme des inverses des racines des entiers jusqu a n =  109.85002248679419
2*sqrt(n) =  111.30139262381222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.68598777893902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.89770287869882

n =  3098
somme des inverses des racines des entiers jusqu a n =  109.86798881352121
2*sqrt(n) =  111.31936040060597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.70363271472917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.91583207599437

n =  3099
somme des inverses des racines des entiers jusqu a n =  109.88595224128464
2*sqrt(n) =  111.33732527773424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.72127485504649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.93395832152811

n =  3100
somme des inverses des racines des entiers jusqu a n =  109.90391277148731
2*sqrt(n) =  111.35528725660043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.7389142012272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.95208161673705

n =  3101
somme des inverses des racines des entiers jusqu a n =  109.92187040553094
2*sqrt(n) =  111.37324633860683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.7565507546064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.97020196305705

n =  3102
somme des inverses des racines des entiers jusqu a n =  109.9398251448161
2*sqrt(n) =  111.39120252515457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.77418451651809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  115.9883193619228

n =  3103
somme des inverses des racines des entiers jusqu a n =  109.95777699074225
2*sqrt(n) =  111.40915581764364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.79181548829526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.00643381476782

n =  3104
somme des inverses des racines des entiers jusqu a n =  109.97572594470769
2*sqrt(n) =  111.42710621747295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.80944367126985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.0245453230245

n =  3105
somme des inverses des racines des entiers jusqu a n =  109.99367200810963
2*sqrt(n) =  111.44505372604026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.82706906677268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.04265388812404
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n =  3106
somme des inverses des racines des entiers jusqu a n =  110.01161518234413
2*sqrt(n) =  111.46299834474219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.84469167613356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.0607595114965

n =  3107
somme des inverses des racines des entiers jusqu a n =  110.02955546880615
2*sqrt(n) =  111.48094007497426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.86231150068122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.07886219457077

n =  3108
somme des inverses des racines des entiers jusqu a n =  110.0474928688895
2*sqrt(n) =  111.49887891813083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.8799285417433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.0969619387746

n =  3109
somme des inverses des racines des entiers jusqu a n =  110.0654273839869
2*sqrt(n) =  111.51681487560519
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.89754280064645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.11505874553457

n =  3110
somme des inverses des racines des entiers jusqu a n =  110.08335901548992
2*sqrt(n) =  111.53474794878949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.91515427871622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.13315261627612

n =  3111
somme des inverses des racines des entiers jusqu a n =  110.10128776478903
2*sqrt(n) =  111.55267813907473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.9327629772771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.15124355242354

n =  3112
somme des inverses des racines des entiers jusqu a n =  110.11921363327359
2*sqrt(n) =  111.57060544785082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.95036889765254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.16933155539996

n =  3113
somme des inverses des racines des entiers jusqu a n =  110.13713662233181
2*sqrt(n) =  111.58852987650657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.96797204116497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.18741662662737

n =  3114
somme des inverses des racines des entiers jusqu a n =  110.15505673335082
2*sqrt(n) =  111.60645142642964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  100.9855724091357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.2054987675266

n =  3115
somme des inverses des racines des entiers jusqu a n =  110.17297396771663
2*sqrt(n) =  111.62437009900661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.00317000288507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.22357797951739

n =  3116
somme des inverses des racines des entiers jusqu a n =  110.19088832681413
2*sqrt(n) =  111.6422858956229
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.02076482373226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.24165426401822

n =  3117
somme des inverses des racines des entiers jusqu a n =  110.20879981202711
2*sqrt(n) =  111.66019881766287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.03835687299554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.25972762244653

n =  3118
somme des inverses des racines des entiers jusqu a n =  110.22670842473822
2*sqrt(n) =  111.67810886650973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.05594615199202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.27779805621859

n =  3119
somme des inverses des racines des entiers jusqu a n =  110.24461416632904
2*sqrt(n) =  111.69601604354561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.07353266203782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.29586556674951

n =  3120
somme des inverses des racines des entiers jusqu a n =  110.26251703818004
2*sqrt(n) =  111.71392035015153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.091116404448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.31393015545328

n =  3121
somme des inverses des racines des entiers jusqu a n =  110.28041704167053
2*sqrt(n) =  111.73182178770737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.1086973805366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.33199182374275

n =  3122
somme des inverses des racines des entiers jusqu a n =  110.2983141781788
2*sqrt(n) =  111.74972035759194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.12627559161656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.35005057302962

n =  3123
somme des inverses des racines des entiers jusqu a n =  110.31620844908197
2*sqrt(n) =  111.76761606118295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.14385103899987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.36810640472449

n =  3124
somme des inverses des racines des entiers jusqu a n =  110.33409985575608
2*sqrt(n) =  111.78550889985696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.16142372399739
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.38615932023674

n =  3125
somme des inverses des racines des entiers jusqu a n =  110.35198839957607
2*sqrt(n) =  111.80339887498948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.17899364791899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.40420932097473

n =  3126
somme des inverses des racines des entiers jusqu a n =  110.3698740819158
2*sqrt(n) =  111.82128598795491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.19656081207349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.42225640834562

n =  3127
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somme des inverses des racines des entiers jusqu a n =  110.38775690414799
2*sqrt(n) =  111.83917024012652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.21412521776868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.44030058375543

n =  3128
somme des inverses des racines des entiers jusqu a n =  110.40563686764429
2*sqrt(n) =  111.8570516328765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.2316868663113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.4583418486091

n =  3129
somme des inverses des racines des entiers jusqu a n =  110.42351397377526
2*sqrt(n) =  111.87493016757597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.2492457590071
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.4763802043104

n =  3130
somme des inverses des racines des entiers jusqu a n =  110.44138822391034
2*sqrt(n) =  111.89280584559492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.26680189716073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.49441565226202

n =  3131
somme des inverses des racines des entiers jusqu a n =  110.45925961941789
2*sqrt(n) =  111.91067866830225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.28435528207585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.51244819386545

n =  3132
somme des inverses des racines des entiers jusqu a n =  110.47712816166519
2*sqrt(n) =  111.92854863706577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.30190591505509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.53047783052112

n =  3133
somme des inverses des racines des entiers jusqu a n =  110.49499385201841
2*sqrt(n) =  111.94641575325224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.31945379740006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.54850456362833

n =  3134
somme des inverses des racines des entiers jusqu a n =  110.51285669184263
2*sqrt(n) =  111.96428001822724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.33699893041128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.56652839458522

n =  3135
somme des inverses des racines des entiers jusqu a n =  110.53071668250186
2*sqrt(n) =  111.98214143335535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.35454131538833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.58454932478885

n =  3136
somme des inverses des racines des entiers jusqu a n =  110.548573825359
2*sqrt(n) =  112.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.3720809536297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.60256735563514

n =  3137
somme des inverses des racines des entiers jusqu a n =  110.56642812177589
2*sqrt(n) =  112.01785571952357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.3896178464329
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.6205824885189
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n =  3138
somme des inverses des racines des entiers jusqu a n =  110.58427957311325
2*sqrt(n) =  112.03570859328734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.40715199509437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.63859472483382

n =  3139
somme des inverses des racines des entiers jusqu a n =  110.60212818073074
2*sqrt(n) =  112.05355862265152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.42468340090957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.65660406597249

n =  3140
somme des inverses des racines des entiers jusqu a n =  110.61997394598696
2*sqrt(n) =  112.0714058089752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.44221206517291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.67461051332634

n =  3141
somme des inverses des racines des entiers jusqu a n =  110.63781687023936
2*sqrt(n) =  112.08925015361643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.4597379891778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.69261406828575

n =  3142
somme des inverses des racines des entiers jusqu a n =  110.65565695484437
2*sqrt(n) =  112.10709165793214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.47726117421658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.71061473223992

n =  3143
somme des inverses des racines des entiers jusqu a n =  110.67349420115734
2*sqrt(n) =  112.12493032327824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.49478162158067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.72861250657701

n =  3144
somme des inverses des racines des entiers jusqu a n =  110.6913286105325
2*sqrt(n) =  112.1427661510095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.5122993325604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.74660739268404

n =  3145
somme des inverses des racines des entiers jusqu a n =  110.70916018432303
2*sqrt(n) =  112.16059914247963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.52981430844508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.76459939194689

n =  3146
somme des inverses des racines des entiers jusqu a n =  110.72698892388104
2*sqrt(n) =  112.17842929904127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.54732655052305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.78258850575038

n =  3147
somme des inverses des racines des entiers jusqu a n =  110.74481483055756
2*sqrt(n) =  112.196256622046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.56483606008159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.8005747354782

n =  3148
somme des inverses des racines des entiers jusqu a n =  110.76263790570255
2*sqrt(n) =  112.2140811128443
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.58234283840702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.81855808251294

n =  3149
somme des inverses des racines des entiers jusqu a n =  110.78045815066488
2*sqrt(n) =  112.2319027727856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.59984688678458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.8365385482361

n =  3150
somme des inverses des racines des entiers jusqu a n =  110.79827556679238
2*sqrt(n) =  112.24972160321825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.61734820649858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.85451613402809

n =  3151
somme des inverses des racines des entiers jusqu a n =  110.81609015543178
2*sqrt(n) =  112.26753760548951
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.63484679883224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.87249084126815

n =  3152
somme des inverses des racines des entiers jusqu a n =  110.83390191792876
2*sqrt(n) =  112.28535078094559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.65234266506783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.89046267133448

n =  3153
somme des inverses des racines des entiers jusqu a n =  110.85171085562791
2*sqrt(n) =  112.30316113093166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.6698358064866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.90843162560418

n =  3154
somme des inverses des racines des entiers jusqu a n =  110.8695169698728
2*sqrt(n) =  112.32096865679178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.6873262243688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.92639770545327

n =  3155
somme des inverses des racines des entiers jusqu a n =  110.8873202620059
2*sqrt(n) =  112.33877335986894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.70481391999363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.94436091225658

n =  3156
somme des inverses des racines des entiers jusqu a n =  110.90512073336862
2*sqrt(n) =  112.35657524150511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.72229889463935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.96232124738799

n =  3157
somme des inverses des racines des entiers jusqu a n =  110.92291838530132
2*sqrt(n) =  112.37437430304117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.73978114958318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.98027871222016

n =  3158
somme des inverses des racines des entiers jusqu a n =  110.94071321914328
2*sqrt(n) =  112.39217054581694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.75726068610136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  116.99823330812472

n =  3159
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somme des inverses des racines des entiers jusqu a n =  110.95850523623272
2*sqrt(n) =  112.40996397117117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.77473750546909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.01618503647221

n =  3160
somme des inverses des racines des entiers jusqu a n =  110.97629443790684
2*sqrt(n) =  112.42775458044157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.79221160896061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.03413389863205

n =  3161
somme des inverses des racines des entiers jusqu a n =  110.99408082550174
2*sqrt(n) =  112.44554237496477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.80968299784917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.05207989597258

n =  3162
somme des inverses des racines des entiers jusqu a n =  111.01186440035248
2*sqrt(n) =  112.46332735607639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.82715167340697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.07002302986109

n =  3163
somme des inverses des racines des entiers jusqu a n =  111.02964516379306
2*sqrt(n) =  112.48110952511092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.84461763690528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.08796330166375

n =  3164
somme des inverses des racines des entiers jusqu a n =  111.04742311715643
2*sqrt(n) =  112.49888888340186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.86208088961432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.10590071274562

n =  3165
somme des inverses des racines des entiers jusqu a n =  111.06519826177448
2*sqrt(n) =  112.51666543228163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.87954143280335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.12383526447076

n =  3166
somme des inverses des racines des entiers jusqu a n =  111.08297059897806
2*sqrt(n) =  112.5344391730816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.89699926774064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.14176695820207

n =  3167
somme des inverses des racines des entiers jusqu a n =  111.10074013009697
2*sqrt(n) =  112.55221010713205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.91445439569343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.15969579530137

n =  3168
somme des inverses des racines des entiers jusqu a n =  111.11850685645993
2*sqrt(n) =  112.5699782357623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.931906817928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.17762177712946

n =  3169
somme des inverses des racines des entiers jusqu a n =  111.13627077939466
2*sqrt(n) =  112.58774356030055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.94935653570964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.195544905046
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n =  3170
somme des inverses des racines des entiers jusqu a n =  111.15403190022779
2*sqrt(n) =  112.60550608207397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.96680355030264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.21346518040963

n =  3171
somme des inverses des racines des entiers jusqu a n =  111.17179022028493
2*sqrt(n) =  112.6232658024087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  101.98424786297035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.23138260457786

n =  3172
somme des inverses des racines des entiers jusqu a n =  111.18954574089065
2*sqrt(n) =  112.64102272262978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.00168947497505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.24929717890716

n =  3173
somme des inverses des racines des entiers jusqu a n =  111.20729846336845
2*sqrt(n) =  112.6587768440613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.0191283875781
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.26720890475289

n =  3174
somme des inverses des racines des entiers jusqu a n =  111.2250483890408
2*sqrt(n) =  112.6765281680262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.03656460203985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.28511778346936

n =  3175
somme des inverses des racines des entiers jusqu a n =  111.24279551922912
2*sqrt(n) =  112.69427669584645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.05399811961966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.30302381640985

n =  3176
somme des inverses des racines des entiers jusqu a n =  111.26053985525381
2*sqrt(n) =  112.71202242884297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.07142894157595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.32092700492647

n =  3177
somme des inverses des racines des entiers jusqu a n =  111.27828139843422
2*sqrt(n) =  112.72976536833562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.08885706916611
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.33882735037038

n =  3178
somme des inverses des racines des entiers jusqu a n =  111.29602015008867
2*sqrt(n) =  112.74750551564323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.10628250364657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.35672485409155

n =  3179
somme des inverses des racines des entiers jusqu a n =  111.31375611153442
2*sqrt(n) =  112.76524287208359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.12370524627279
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.37461951743899

n =  3180
somme des inverses des racines des entiers jusqu a n =  111.33148928408771
2*sqrt(n) =  112.78297743897348
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.14112529829926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.39251134176058

n =  3181
somme des inverses des racines des entiers jusqu a n =  111.34921966906376
2*sqrt(n) =  112.8007092176286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.15854266097945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.41040032840316

n =  3182
somme des inverses des racines des entiers jusqu a n =  111.36694726777674
2*sqrt(n) =  112.81843820936363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.17595733556591
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.4282864787125

n =  3183
somme des inverses des racines des entiers jusqu a n =  111.38467208153978
2*sqrt(n) =  112.83616441549225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.19336932331016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.4461697940333

n =  3184
somme des inverses des racines des entiers jusqu a n =  111.40239411166499
2*sqrt(n) =  112.85388783732708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.21077862546281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.46405027570921

n =  3185
somme des inverses des racines des entiers jusqu a n =  111.42011335946344
2*sqrt(n) =  112.8716084761797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.22818524327344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.48192792508283

n =  3186
somme des inverses des racines des entiers jusqu a n =  111.4378298262452
2*sqrt(n) =  112.88932633336067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.24558917799068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.49980274349566

n =  3187
somme des inverses des racines des entiers jusqu a n =  111.45554351331928
2*sqrt(n) =  112.90704141017954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.26299043086222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.51767473228821

n =  3188
somme des inverses des racines des entiers jusqu a n =  111.47325442199367
2*sqrt(n) =  112.92475370794483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.28038900313473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.53554389279988

n =  3189
somme des inverses des racines des entiers jusqu a n =  111.49096255357536
2*sqrt(n) =  112.942463227964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.29778489605394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.55341022636902

n =  3190
somme des inverses des racines des entiers jusqu a n =  111.50866790937027
2*sqrt(n) =  112.96016997154351
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.31517811086462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.57127373433295

n =  3191
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somme des inverses des racines des entiers jusqu a n =  111.52637049068333
2*sqrt(n) =  112.9778739399888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.33256864881056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.58913441802791

n =  3192
somme des inverses des racines des entiers jusqu a n =  111.54407029881845
2*sqrt(n) =  112.99557513460428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.3499565111346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.60699227878912

n =  3193
somme des inverses des racines des entiers jusqu a n =  111.5617673350785
2*sqrt(n) =  113.01327355669333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.36734169907857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.62484731795072

n =  3194
somme des inverses des racines des entiers jusqu a n =  111.57946160076534
2*sqrt(n) =  113.03096920755833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.38472421388337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.6426995368458

n =  3195
somme des inverses des racines des entiers jusqu a n =  111.59715309717981
2*sqrt(n) =  113.04866208850063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.402104056789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.66054893680645

n =  3196
somme des inverses des racines des entiers jusqu a n =  111.61484182562174
2*sqrt(n) =  113.06635220082056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.4194812290344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.67839551916364

n =  3197
somme des inverses des racines des entiers jusqu a n =  111.63252778738993
2*sqrt(n) =  113.08403954581743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.43685573185759
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.69623928524734

n =  3198
somme des inverses des racines des entiers jusqu a n =  111.65021098378217
2*sqrt(n) =  113.10172412478954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.45422756649565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.71408023638648

n =  3199
somme des inverses des racines des entiers jusqu a n =  111.66789141609524
2*sqrt(n) =  113.11940593903418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.47159673418467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.73191837390894

n =  3200
somme des inverses des racines des entiers jusqu a n =  111.6855690856249
2*sqrt(n) =  113.13708498984761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.48896323615979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.74975369914151

n =  3201
somme des inverses des racines des entiers jusqu a n =  111.70324399366591
2*sqrt(n) =  113.15476127852509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.50632707365523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.76758621341001
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n =  3202
somme des inverses des racines des entiers jusqu a n =  111.72091614151199
2*sqrt(n) =  113.17243480636087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.52368824790422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.78541591803919

n =  3203
somme des inverses des racines des entiers jusqu a n =  111.7385855304559
2*sqrt(n) =  113.19010557464817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.54104676013901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.80324281435274

n =  3204
somme des inverses des racines des entiers jusqu a n =  111.75625216178933
2*sqrt(n) =  113.20777358467925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.55840261159099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.82106690367337

n =  3205
somme des inverses des racines des entiers jusqu a n =  111.77391603680302
2*sqrt(n) =  113.22543883774529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.57575580349052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.83888818732267

n =  3206
somme des inverses des racines des entiers jusqu a n =  111.79157715678666
2*sqrt(n) =  113.24310133513653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.59310633706704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.85670666662128

n =  3207
somme des inverses des racines des entiers jusqu a n =  111.80923552302896
2*sqrt(n) =  113.26076107814215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.610454213549
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.87452234288872

n =  3208
somme des inverses des racines des entiers jusqu a n =  111.82689113681762
2*sqrt(n) =  113.27841806805037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.62779943416398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.89233521744357

n =  3209
somme des inverses des racines des entiers jusqu a n =  111.84454399943934
2*sqrt(n) =  113.29607230614837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.64514200013852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.9101452916033

n =  3210
somme des inverses des racines des entiers jusqu a n =  111.8621941121798
2*sqrt(n) =  113.31372379372236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.6624819126983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.92795256668438

n =  3211
somme des inverses des racines des entiers jusqu a n =  111.87984147632368
2*sqrt(n) =  113.33137253205751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.67981917306801
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.94575704400226

n =  3212
somme des inverses des racines des entiers jusqu a n =  111.8974860931547
2*sqrt(n) =  113.34901852243803
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.69715378247139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.96355872487135

n =  3213
somme des inverses des racines des entiers jusqu a n =  111.91512796395553
2*sqrt(n) =  113.3666617661471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.71448574213125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.98135761060503

n =  3214
somme des inverses des racines des entiers jusqu a n =  111.93276709000787
2*sqrt(n) =  113.38430226446692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.73181505326947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  117.99915370251566

n =  3215
somme des inverses des racines des entiers jusqu a n =  111.95040347259243
2*sqrt(n) =  113.40194001867869
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.74914171710697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.01694700191455

n =  3216
somme des inverses des racines des entiers jusqu a n =  111.9680371129889
2*sqrt(n) =  113.4195750300626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.76646573486374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.03473751011202

n =  3217
somme des inverses des racines des entiers jusqu a n =  111.98566801247598
2*sqrt(n) =  113.43720729989786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.78378710775884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.05252522841737

n =  3218
somme des inverses des racines des entiers jusqu a n =  112.0032961723314
2*sqrt(n) =  113.45483682946268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.80110583701035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.07031015813884

n =  3219
somme des inverses des racines des entiers jusqu a n =  112.02092159383187
2*sqrt(n) =  113.47246362003426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.81842192383546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.08809230058367

n =  3220
somme des inverses des racines des entiers jusqu a n =  112.03854427825313
2*sqrt(n) =  113.49008767288886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.83573536945042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.10587165705809

n =  3221
somme des inverses des racines des entiers jusqu a n =  112.05616422686991
2*sqrt(n) =  113.50770898930169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.85304617507049
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.12364822886728

n =  3222
somme des inverses des racines des entiers jusqu a n =  112.07378144095597
2*sqrt(n) =  113.525327570547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.87035434191009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.14142201731546

n =  3223
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somme des inverses des racines des entiers jusqu a n =  112.09139592178407
2*sqrt(n) =  113.54294341789806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.88765987118262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.15919302370577

n =  3224
somme des inverses des racines des entiers jusqu a n =  112.10900767062599
2*sqrt(n) =  113.56055653262712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.9049627641006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.17696124934037

n =  3225
somme des inverses des racines des entiers jusqu a n =  112.12661668875249
2*sqrt(n) =  113.57816691600547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.92226302187561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.1947266955204

n =  3226
somme des inverses des racines des entiers jusqu a n =  112.14422297743342
2*sqrt(n) =  113.59577456930342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.93956064571827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.21248936354598

n =  3227
somme des inverses des racines des entiers jusqu a n =  112.16182653793757
2*sqrt(n) =  113.61337949379025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.9568556368383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.23024925471623

n =  3228
somme des inverses des racines des entiers jusqu a n =  112.1794273715328
2*sqrt(n) =  113.63098169073433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.9741479964445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.24800637032925

n =  3229
somme des inverses des racines des entiers jusqu a n =  112.19702547948594
2*sqrt(n) =  113.64858116140297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  102.9914377257447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.2657607116821

n =  3230
somme des inverses des racines des entiers jusqu a n =  112.21462086306289
2*sqrt(n) =  113.66617790706258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.00872482594588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.28351228007092

n =  3231
somme des inverses des racines des entiers jusqu a n =  112.23221352352853
2*sqrt(n) =  113.6837719289785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.02600929825401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.30126107679075

n =  3232
somme des inverses des racines des entiers jusqu a n =  112.24980346214679
2*sqrt(n) =  113.70136322841516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.04329114387419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.31900710313565

n =  3233
somme des inverses des racines des entiers jusqu a n =  112.2673906801806
2*sqrt(n) =  113.718951806636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.06057036401057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.33675036039871
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n =  3234
somme des inverses des racines des entiers jusqu a n =  112.28497517889193
2*sqrt(n) =  113.73653766490345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.0778469598664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.35449084987198

n =  3235
somme des inverses des racines des entiers jusqu a n =  112.30255695954177
2*sqrt(n) =  113.75412080447899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.095120932644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.37222857284648

n =  3236
somme des inverses des racines des entiers jusqu a n =  112.32013602339013
2*sqrt(n) =  113.77170122662314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.11239228354476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.38996353061232

n =  3237
somme des inverses des racines des entiers jusqu a n =  112.33771237169607
2*sqrt(n) =  113.78927893259541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.12966101376917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.40769572445852

n =  3238
somme des inverses des racines des entiers jusqu a n =  112.35528600571763
2*sqrt(n) =  113.80685392365436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.14692712451678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.42542515567314

n =  3239
somme des inverses des racines des entiers jusqu a n =  112.37285692671193
2*sqrt(n) =  113.82442620105756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.16419061698623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.44315182554323

n =  3240
somme des inverses des racines des entiers jusqu a n =  112.39042513593509
2*sqrt(n) =  113.84199576606166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.18145149237529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.46087573535485

n =  3241
somme des inverses des racines des entiers jusqu a n =  112.40799063464226
2*sqrt(n) =  113.85956261992227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.19870975188073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.47859688639303

n =  3242
somme des inverses des racines des entiers jusqu a n =  112.42555342408765
2*sqrt(n) =  113.87712676389407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.21596539669845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.49631527994187

n =  3243
somme des inverses des racines des entiers jusqu a n =  112.44311350552448
2*sqrt(n) =  113.89468819923079
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.23321842802348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.51403091728444

n =  3244
somme des inverses des racines des entiers jusqu a n =  112.460670880205
2*sqrt(n) =  113.91224692718514
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.25046884704983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.53174379970278

n =  3245
somme des inverses des racines des entiers jusqu a n =  112.4782255493805
2*sqrt(n) =  113.92980294900892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.26771665497073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.549453928478

n =  3246
somme des inverses des racines des entiers jusqu a n =  112.49577751430131
2*sqrt(n) =  113.94735626595292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.28496185297838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.56716130489018

n =  3247
somme des inverses des racines des entiers jusqu a n =  112.51332677621681
2*sqrt(n) =  113.964906879267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.30220444226417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.58486593021843

n =  3248
somme des inverses des racines des entiers jusqu a n =  112.53087333637541
2*sqrt(n) =  113.98245479020005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.31944442401849
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.60256780574083

n =  3249
somme des inverses des racines des entiers jusqu a n =  112.54841719602453
2*sqrt(n) =  114.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.3366817994309
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.62026693273455

n =  3250
somme des inverses des racines des entiers jusqu a n =  112.56595835641068
2*sqrt(n) =  114.0175425099138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.35391656969001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.63796331247568

n =  3251
somme des inverses des racines des entiers jusqu a n =  112.58349681877937
2*sqrt(n) =  114.03508232118746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.37114873598355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.6556569462394

n =  3252
somme des inverses des racines des entiers jusqu a n =  112.60103258437516
2*sqrt(n) =  114.05261943506602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.38837829949833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.67334783529986

n =  3253
somme des inverses des racines des entiers jusqu a n =  112.61856565444168
2*sqrt(n) =  114.0701538527936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.40560526142025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.69103598093027

n =  3254
somme des inverses des racines des entiers jusqu a n =  112.63609603022158
2*sqrt(n) =  114.08768557561329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.42282962293432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.70872138440278

n =  3255
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somme des inverses des racines des entiers jusqu a n =  112.65362371295657
2*sqrt(n) =  114.1052146047673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.44005138522463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.72640404698863

n =  3256
somme des inverses des racines des entiers jusqu a n =  112.6711487038874
2*sqrt(n) =  114.12274094149684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.45727054947442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.74408396995806

n =  3257
somme des inverses des racines des entiers jusqu a n =  112.68867100425385
2*sqrt(n) =  114.1402645870422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.47448711686597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.76176115458031

n =  3258
somme des inverses des racines des entiers jusqu a n =  112.70619061529477
2*sqrt(n) =  114.15778554264269
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.4917010885807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.77943560212367

n =  3259
somme des inverses des racines des entiers jusqu a n =  112.72370753824806
2*sqrt(n) =  114.17530380953667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.50891246579911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.79710731385545

n =  3260
somme des inverses des racines des entiers jusqu a n =  112.74122177435066
2*sqrt(n) =  114.19281938896158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.52612124970084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.81477629104195

n =  3261
somme des inverses des racines des entiers jusqu a n =  112.75873332483857
2*sqrt(n) =  114.21033228215387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.54332744146456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.83244253494853

n =  3262
somme des inverses des racines des entiers jusqu a n =  112.77624219094685
2*sqrt(n) =  114.22784249034909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.56053104226814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.85010604683957

n =  3263
somme des inverses des racines des entiers jusqu a n =  112.79374837390958
2*sqrt(n) =  114.24535001478178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.57773205328846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.86776682797843

n =  3264
somme des inverses des racines des entiers jusqu a n =  112.81125187495994
2*sqrt(n) =  114.2628548566856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.59493047570162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.8854248796276

n =  3265
somme des inverses des racines des entiers jusqu a n =  112.82875269533012
2*sqrt(n) =  114.28035701729323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.6121263106827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.90308020304849
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n =  3266
somme des inverses des racines des entiers jusqu a n =  112.84625083625141
2*sqrt(n) =  114.29785649783639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.62931955940599
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.9207327995016

n =  3267
somme des inverses des racines des entiers jusqu a n =  112.86374629895413
2*sqrt(n) =  114.3153532995459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.64651022304484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.93838267024644

n =  3268
somme des inverses des racines des entiers jusqu a n =  112.88123908466765
2*sqrt(n) =  114.33284742365161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.66369830277172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.95602981654156

n =  3269
somme des inverses des racines des entiers jusqu a n =  112.89872919462046
2*sqrt(n) =  114.35033887138245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.68088379975825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.97367423964455

n =  3270
somme des inverses des racines des entiers jusqu a n =  112.91621663004003
2*sqrt(n) =  114.36782764396638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.69806671517509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  118.99131594081203

n =  3271
somme des inverses des racines des entiers jusqu a n =  112.93370139215293
2*sqrt(n) =  114.38531374263044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.71524705019206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.00895492129963

n =  3272
somme des inverses des racines des entiers jusqu a n =  112.9511834821848
2*sqrt(n) =  114.40279716860073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.7324248059781
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.02659118236204

n =  3273
somme des inverses des racines des entiers jusqu a n =  112.96866290136035
2*sqrt(n) =  114.42027792310242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.74959998370124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.044224725253

n =  3274
somme des inverses des racines des entiers jusqu a n =  112.98613965090331
2*sqrt(n) =  114.43775600735974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.76677258452867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.06185555122528

n =  3275
somme des inverses des racines des entiers jusqu a n =  113.00361373203653
2*sqrt(n) =  114.45523142259597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.78394260962662
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.07948366153065

n =  3276
somme des inverses des racines des entiers jusqu a n =  113.02108514598189
2*sqrt(n) =  114.47270417003348
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.80111006016052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.09710905741996

n =  3277
somme des inverses des racines des entiers jusqu a n =  113.03855389396035
2*sqrt(n) =  114.49017425089369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.81827493729487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.11473174014309

n =  3278
somme des inverses des racines des entiers jusqu a n =  113.05601997719197
2*sqrt(n) =  114.50764166639709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.83543724219332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.13235171094897

n =  3279
somme des inverses des racines des entiers jusqu a n =  113.0734833968958
2*sqrt(n) =  114.52510641776327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.85259697601862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.14996897108558

n =  3280
somme des inverses des racines des entiers jusqu a n =  113.09094415429003
2*sqrt(n) =  114.54256850621083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.86975413993264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.16758352179991

n =  3281
somme des inverses des racines des entiers jusqu a n =  113.10840225059191
2*sqrt(n) =  114.56002793295748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.88690873509638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.18519536433803

n =  3282
somme des inverses des racines des entiers jusqu a n =  113.12585768701774
2*sqrt(n) =  114.57748469922004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.90406076267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.20280449994505

n =  3283
somme des inverses des racines des entiers jusqu a n =  113.14331046478293
2*sqrt(n) =  114.5949388062143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.92121022381271
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.2204109298651

n =  3284
somme des inverses des racines des entiers jusqu a n =  113.16076058510193
2*sqrt(n) =  114.61239025515522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.9383571196829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.23801465534137

n =  3285
somme des inverses des racines des entiers jusqu a n =  113.17820804918827
2*sqrt(n) =  114.6298390472568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.9555014514381
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.25561567761615

n =  3286
somme des inverses des racines des entiers jusqu a n =  113.19565285825458
2*sqrt(n) =  114.64728518373211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.9726432202349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.27321399793071

n =  3287
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somme des inverses des racines des entiers jusqu a n =  113.21309501351253
2*sqrt(n) =  114.6647286657933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  103.98978242722909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.29080961752541

n =  3288
somme des inverses des racines des entiers jusqu a n =  113.23053451617291
2*sqrt(n) =  114.6821694946516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.00691907357553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.30840253763964

n =  3289
somme des inverses des racines des entiers jusqu a n =  113.24797136744556
2*sqrt(n) =  114.69960767151734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.0240531604283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.32599275951186

n =  3290
somme des inverses des racines des entiers jusqu a n =  113.26540556853942
2*sqrt(n) =  114.71704319759989
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.04118468894048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.3435802843796

n =  3291
somme des inverses des racines des entiers jusqu a n =  113.2828371206625
2*sqrt(n) =  114.73447607410773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.0583136602644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.3611651134794

n =  3292
somme des inverses des racines des entiers jusqu a n =  113.3002660250219
2*sqrt(n) =  114.75190630224841
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.07544007555146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.37874724804689

n =  3293
somme des inverses des racines des entiers jusqu a n =  113.31769228282378
2*sqrt(n) =  114.76933388322858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.09256393595223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.39632668931677

n =  3294
somme des inverses des racines des entiers jusqu a n =  113.33511589527343
2*sqrt(n) =  114.78675881825394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.10968524261637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.41390343852274

n =  3295
somme des inverses des racines des entiers jusqu a n =  113.35253686357518
2*sqrt(n) =  114.80418110852932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.12680399669271
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.43147749689761

n =  3296
somme des inverses des racines des entiers jusqu a n =  113.36995518893247
2*sqrt(n) =  114.82160075525859
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.14392019932923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.44904886567326

n =  3297
somme des inverses des racines des entiers jusqu a n =  113.38737087254782
2*sqrt(n) =  114.83901775964473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.16103385167301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.4666175460806
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n =  3298
somme des inverses des racines des entiers jusqu a n =  113.40478391562284
2*sqrt(n) =  114.85643212288984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.1781449548703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.48418353934962

n =  3299
somme des inverses des racines des entiers jusqu a n =  113.42219431935824
2*sqrt(n) =  114.87384384619503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.19525351006645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.50174684670931

n =  3300
somme des inverses des racines des entiers jusqu a n =  113.4396020849538
2*sqrt(n) =  114.89125293076057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.212359518406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.51930746938785

n =  3301
somme des inverses des racines des entiers jusqu a n =  113.45700721360842
2*sqrt(n) =  114.9086593777858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.22946298103261
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.53686540861239

n =  3302
somme des inverses des racines des entiers jusqu a n =  113.47440970652006
2*sqrt(n) =  114.92606318846913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.24656389908907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.55442066560916

n =  3303
somme des inverses des racines des entiers jusqu a n =  113.4918095648858
2*sqrt(n) =  114.9434643640081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.2636622737173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.57197324160349

n =  3304
somme des inverses des racines des entiers jusqu a n =  113.50920678990178
2*sqrt(n) =  114.96086290559931
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.28075810605844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.58952313781974

n =  3305
somme des inverses des racines des entiers jusqu a n =  113.52660138276327
2*sqrt(n) =  114.97825881443848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.2978513972527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.60707035548137

n =  3306
somme des inverses des racines des entiers jusqu a n =  113.54399334466463
2*sqrt(n) =  114.9956520917204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.31494214843944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.62461489581088

n =  3307
somme des inverses des racines des entiers jusqu a n =  113.56138267679928
2*sqrt(n) =  115.013042738639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.33203036075722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.64215676002989

n =  3308
somme des inverses des racines des entiers jusqu a n =  113.5787693803598
2*sqrt(n) =  115.03043075638725
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.34911603534367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.65969594935903

n =  3309
somme des inverses des racines des entiers jusqu a n =  113.59615345653782
2*sqrt(n) =  115.04781614615725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.36619917333564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.67723246501805

n =  3310
somme des inverses des racines des entiers jusqu a n =  113.6135349065241
2*sqrt(n) =  115.06519890914021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.3832797758691
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.69476630822575

n =  3311
somme des inverses des racines des entiers jusqu a n =  113.63091373150847
2*sqrt(n) =  115.08257904652642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.40035784407918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.71229748020004

n =  3312
somme des inverses des racines des entiers jusqu a n =  113.64828993267989
2*sqrt(n) =  115.09995655950527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.41743337910013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.72982598215785

n =  3313
somme des inverses des racines des entiers jusqu a n =  113.66566351122641
2*sqrt(n) =  115.11733144926528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.4345063820654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.74735181531523

n =  3314
somme des inverses des racines des entiers jusqu a n =  113.6830344683352
2*sqrt(n) =  115.13470371699404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.45157685410754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.76487498088729

n =  3315
somme des inverses des racines des entiers jusqu a n =  113.7004028051925
2*sqrt(n) =  115.15207336387826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.4686447963583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.78239548008824

n =  3316
somme des inverses des racines des entiers jusqu a n =  113.71776852298368
2*sqrt(n) =  115.16944039110375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.48571020994856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.79991331413133

n =  3317
somme des inverses des racines des entiers jusqu a n =  113.7351316228932
2*sqrt(n) =  115.18680479985544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.50277309600838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.81742848422896

n =  3318
somme des inverses des racines des entiers jusqu a n =  113.75249210610468
2*sqrt(n) =  115.20416659131735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.51983345566696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.83494099159253

n =  3319
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somme des inverses des racines des entiers jusqu a n =  113.76984997380077
2*sqrt(n) =  115.22152576667261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.53689129005264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.8524508374326

n =  3320
somme des inverses des racines des entiers jusqu a n =  113.78720522716328
2*sqrt(n) =  115.23888232710347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.55394660029293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.86995802295873

n =  3321
somme des inverses des racines des entiers jusqu a n =  113.80455786737313
2*sqrt(n) =  115.25623627379127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.57099938751453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.88746254937965

n =  3322
somme des inverses des racines des entiers jusqu a n =  113.82190789561032
2*sqrt(n) =  115.2735876079165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.58804965284327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.90496441790312

n =  3323
somme des inverses des racines des entiers jusqu a n =  113.839255313054
2*sqrt(n) =  115.29093633065871
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.60509739740412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.922463629736

n =  3324
somme des inverses des racines des entiers jusqu a n =  113.85660012088239
2*sqrt(n) =  115.30828244319659
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.62214262232125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.93996018608425

n =  3325
somme des inverses des racines des entiers jusqu a n =  113.87394232027287
2*sqrt(n) =  115.32562594670796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.63918532871801
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.95745408815293

n =  3326
somme des inverses des racines des entiers jusqu a n =  113.89128191240191
2*sqrt(n) =  115.34296684236972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.65622551771685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.97494533714615

n =  3327
somme des inverses des racines des entiers jusqu a n =  113.9086188984451
2*sqrt(n) =  115.3603051313579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.67326319043943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  119.99243393426714

n =  3328
somme des inverses des racines des entiers jusqu a n =  113.92595327957714
2*sqrt(n) =  115.37764081484765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.69029834800656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.0099198807182

n =  3329
somme des inverses des racines des entiers jusqu a n =  113.94328505697186
2*sqrt(n) =  115.39497389401325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.70733099153823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.02740317770076
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n =  3330
somme des inverses des racines des entiers jusqu a n =  113.9606142318022
2*sqrt(n) =  115.41230437002807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.72436112215358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.0448838264153

n =  3331
somme des inverses des racines des entiers jusqu a n =  113.97794080524021
2*sqrt(n) =  115.4296322440646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.74138874097093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.06236182806144

n =  3332
somme des inverses des racines des entiers jusqu a n =  113.99526477845708
2*sqrt(n) =  115.44695751729449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.75841384910777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.07983718383785

n =  3333
somme des inverses des racines des entiers jusqu a n =  114.01258615262313
2*sqrt(n) =  115.46428019088847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.77543644768073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.09730989494234

n =  3334
somme des inverses des racines des entiers jusqu a n =  114.02990492890777
2*sqrt(n) =  115.4816002660164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.79245653780566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.11477996257176

n =  3335
somme des inverses des racines des entiers jusqu a n =  114.04722110847956
2*sqrt(n) =  115.49891774384729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.80947412059757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.13224738792215

n =  3336
somme des inverses des racines des entiers jusqu a n =  114.06453469250617
2*sqrt(n) =  115.51623262554921
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.82648919717057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.14971217218852

n =  3337
somme des inverses des racines des entiers jusqu a n =  114.08184568215441
2*sqrt(n) =  115.53354491228943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.84350176863806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.16717431656511

n =  3338
somme des inverses des racines des entiers jusqu a n =  114.09915407859019
2*sqrt(n) =  115.55085460523432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.86051183611255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.1846338222452

n =  3339
somme des inverses des racines des entiers jusqu a n =  114.11645988297856
2*sqrt(n) =  115.56816170554933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.87751940070568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.20209069042116

n =  3340
somme des inverses des racines des entiers jusqu a n =  114.1337630964837
2*sqrt(n) =  115.58546621439912
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.89452446352837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.21954492228448

n =  3341
somme des inverses des racines des entiers jusqu a n =  114.15106372026894
2*sqrt(n) =  115.6027681329474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.91152702569065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.23699651902578

n =  3342
somme des inverses des racines des entiers jusqu a n =  114.1683617554967
2*sqrt(n) =  115.62006746235707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.92852708830173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.25444548183474

n =  3343
somme des inverses des racines des entiers jusqu a n =  114.18565720332856
2*sqrt(n) =  115.63736420379011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.94552465247003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.27189181190016

n =  3344
somme des inverses des racines des entiers jusqu a n =  114.20295006492522
2*sqrt(n) =  115.65465835840769
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.9625197193031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.28933551040998

n =  3345
somme des inverses des racines des entiers jusqu a n =  114.2202403414465
2*sqrt(n) =  115.67194992737004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.97951228990772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.3067765785512

n =  3346
somme des inverses des racines des entiers jusqu a n =  114.23752803405138
2*sqrt(n) =  115.68923891183657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  104.9965023653898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.32421501750994

n =  3347
somme des inverses des racines des entiers jusqu a n =  114.25481314389795
2*sqrt(n) =  115.70652531296582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.0134899468545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.34165082847149

n =  3348
somme des inverses des racines des entiers jusqu a n =  114.27209567214345
2*sqrt(n) =  115.72380913191546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.0304750354061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.35908401262014

n =  3349
somme des inverses des racines des entiers jusqu a n =  114.28937561994427
2*sqrt(n) =  115.7410903698423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.0474576321481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.3765145711394

n =  3350
somme des inverses des racines des entiers jusqu a n =  114.3066529884559
2*sqrt(n) =  115.75836902790225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.06443773818314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.3939425052118

n =  3351
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somme des inverses des racines des entiers jusqu a n =  114.32392777883298
2*sqrt(n) =  115.77564510725043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.08141535461311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.41136781601908

n =  3352
somme des inverses des racines des entiers jusqu a n =  114.34119999222932
2*sqrt(n) =  115.79291860904102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.09839048253906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.42879050474201

n =  3353
somme des inverses des racines des entiers jusqu a n =  114.35846962979782
2*sqrt(n) =  115.81018953442741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.11536312306119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.44621057256052

n =  3354
somme des inverses des racines des entiers jusqu a n =  114.37573669269058
2*sqrt(n) =  115.82745788456207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.13233327727892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.46362802065364

n =  3355
somme des inverses des racines des entiers jusqu a n =  114.39300118205878
2*sqrt(n) =  115.84472366059664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.14930094629086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.48104285019953

n =  3356
somme des inverses des racines des entiers jusqu a n =  114.41026309905277
2*sqrt(n) =  115.8619868636819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.16626613119482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.49845506237546

n =  3357
somme des inverses des racines des entiers jusqu a n =  114.42752244482206
2*sqrt(n) =  115.8792474949678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.18322883308777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.51586465835781

n =  3358
somme des inverses des racines des entiers jusqu a n =  114.44477922051527
2*sqrt(n) =  115.89650555560335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.20018905306587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.5332716393221

n =  3359
somme des inverses des racines des entiers jusqu a n =  114.46203342728019
2*sqrt(n) =  115.91376104673681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.21714679222453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.55067600644296

n =  3360
somme des inverses des racines des entiers jusqu a n =  114.47928506626374
2*sqrt(n) =  115.9310139695155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.23410205165825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.56807776089413

n =  3361
somme des inverses des racines des entiers jusqu a n =  114.49653413861202
2*sqrt(n) =  115.94826432508596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.25105483246085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.5854769038485
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n =  3362
somme des inverses des racines des entiers jusqu a n =  114.51378064547023
2*sqrt(n) =  115.96551211459379
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.26800513572523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.60287343647806

n =  3363
somme des inverses des racines des entiers jusqu a n =  114.53102458798276
2*sqrt(n) =  115.98275733918383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.28495296254357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.62026735995397

n =  3364
somme des inverses des racines des entiers jusqu a n =  114.5482659672931
2*sqrt(n) =  116.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.30189831400716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.63765867544642

n =  3365
somme des inverses des racines des entiers jusqu a n =  114.56550478454395
2*sqrt(n) =  116.01724009818541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.31884119120659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.65504738412483

n =  3366
somme des inverses des racines des entiers jusqu a n =  114.58274104087711
2*sqrt(n) =  116.0344776348823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.33578159523155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.67243348715766

n =  3367
somme des inverses des racines des entiers jusqu a n =  114.59997473743357
2*sqrt(n) =  116.05171261123206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.35271952717099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.6898169857126

n =  3368
somme des inverses des racines des entiers jusqu a n =  114.61720587535346
2*sqrt(n) =  116.06894502837527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.36965498811306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.70719788095637

n =  3369
somme des inverses des racines des entiers jusqu a n =  114.63443445577606
2*sqrt(n) =  116.0861748874516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.38658797914506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.72457617405487

n =  3370
somme des inverses des racines des entiers jusqu a n =  114.6516604798398
2*sqrt(n) =  116.10340218959993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.40351850135353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.74195186617314

n =  3371
somme des inverses des racines des entiers jusqu a n =  114.66888394868228
2*sqrt(n) =  116.12062693595828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.42044655582423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.7593249584753

n =  3372
somme des inverses des racines des entiers jusqu a n =  114.68610486344024
2*sqrt(n) =  116.1378491276638
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.43737214364205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.77669545212467

n =  3373
somme des inverses des racines des entiers jusqu a n =  114.70332322524958
2*sqrt(n) =  116.15506876585283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.45429526589119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.79406334828366

n =  3374
somme des inverses des racines des entiers jusqu a n =  114.72053903524538
2*sqrt(n) =  116.17228585166085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.47121592365494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.8114286481138

n =  3375
somme des inverses des racines des entiers jusqu a n =  114.73775229456186
2*sqrt(n) =  116.1895003862225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.48813411801588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.82879135277581

n =  3376
somme des inverses des racines des entiers jusqu a n =  114.7549630043324
2*sqrt(n) =  116.2067123706716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.50504985005576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.84615146342952

n =  3377
somme des inverses des racines des entiers jusqu a n =  114.77217116568954
2*sqrt(n) =  116.22392180614109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.52196312085553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.86350898123388

n =  3378
somme des inverses des racines des entiers jusqu a n =  114.78937677976499
2*sqrt(n) =  116.24112869376312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.53887393149537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.88086390734698

n =  3379
somme des inverses des racines des entiers jusqu a n =  114.80657984768962
2*sqrt(n) =  116.25833303466896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.55578228305468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.89821624292611

n =  3380
somme des inverses des racines des entiers jusqu a n =  114.82378037059347
2*sqrt(n) =  116.27553482998907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.572688176612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.9155659891276

n =  3381
somme des inverses des racines des entiers jusqu a n =  114.84097834960572
2*sqrt(n) =  116.29273408085305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.58959161324518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.93291314710699

n =  3382
somme des inverses des racines des entiers jusqu a n =  114.85817378585475
2*sqrt(n) =  116.30993078838969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.60649259403117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.95025771801895

n =  3383
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somme des inverses des racines des entiers jusqu a n =  114.87536668046806
2*sqrt(n) =  116.32712495372694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.62339112004624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.96759970301729

n =  3384
somme des inverses des racines des entiers jusqu a n =  114.89255703457238
2*sqrt(n) =  116.34431657799189
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.64028719236578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  120.98493910325494

n =  3385
somme des inverses des racines des entiers jusqu a n =  114.90974484929355
2*sqrt(n) =  116.36150566231085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.65718081206448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.00227591988403

n =  3386
somme des inverses des racines des entiers jusqu a n =  114.9269301257566
2*sqrt(n) =  116.37869220780924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.67407198021615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.01961015405577

n =  3387
somme des inverses des racines des entiers jusqu a n =  114.94411286508574
2*sqrt(n) =  116.3958762156117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.69096069789393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.03694180692058

n =  3388
somme des inverses des racines des entiers jusqu a n =  114.96129306840434
2*sqrt(n) =  116.41305768684198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.70784696617004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.05427087962795

n =  3389
somme des inverses des racines des entiers jusqu a n =  114.97847073683495
2*sqrt(n) =  116.43023662262307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.72473078611603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.0715973733266

n =  3390
somme des inverses des racines des entiers jusqu a n =  114.99564587149926
2*sqrt(n) =  116.4474130240771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.7416121588026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.08892128916433

n =  3391
somme des inverses des racines des entiers jusqu a n =  115.01281847351818
2*sqrt(n) =  116.46458689232534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.75849108529971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.10624262828816

n =  3392
somme des inverses des racines des entiers jusqu a n =  115.02998854401177
2*sqrt(n) =  116.48175822848829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.7753675666765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.12356139184418

n =  3393
somme des inverses des racines des entiers jusqu a n =  115.04715608409926
2*sqrt(n) =  116.49892703368559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.79224160400136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.1408775809777
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n =  3394
somme des inverses des racines des entiers jusqu a n =  115.06432109489906
2*sqrt(n) =  116.51609330903607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.8091131983419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.15819119683314

n =  3395
somme des inverses des racines des entiers jusqu a n =  115.08148357752876
2*sqrt(n) =  116.53325705565771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.82598235076492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.17550224055411

n =  3396
somme des inverses des racines des entiers jusqu a n =  115.09864353310512
2*sqrt(n) =  116.55041827466772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.84284906233648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.19281071328334

n =  3397
somme des inverses des racines des entiers jusqu a n =  115.11580096274409
2*sqrt(n) =  116.56757696718243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.85971333412185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.21011661616272

n =  3398
somme des inverses des racines des entiers jusqu a n =  115.1329558675608
2*sqrt(n) =  116.58473313431737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.8765751671855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.22741995033331

n =  3399
somme des inverses des racines des entiers jusqu a n =  115.15010824866953
2*sqrt(n) =  116.60188677718727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.89343456259117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.24472071693533

n =  3400
somme des inverses des racines des entiers jusqu a n =  115.16725810718377
2*sqrt(n) =  116.61903789690601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.91029152140176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.26201891710812

n =  3401
somme des inverses des racines des entiers jusqu a n =  115.1844054442162
2*sqrt(n) =  116.63618649458667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.92714604467947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.27931455199025

n =  3402
somme des inverses des racines des entiers jusqu a n =  115.20155026087865
2*sqrt(n) =  116.65333257134148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.94399813348568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.29660762271938

n =  3403
somme des inverses des racines des entiers jusqu a n =  115.21869255828216
2*sqrt(n) =  116.67047612828192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.96084778888101
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.31389813043236

n =  3404
somme des inverses des racines des entiers jusqu a n =  115.23583233753693
2*sqrt(n) =  116.68761716651858
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.97769501192532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.33118607626521

n =  3405
somme des inverses des racines des entiers jusqu a n =  115.25296959975238
2*sqrt(n) =  116.70475568716127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  105.99453980367765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.34847146135307

n =  3406
somme des inverses des racines des entiers jusqu a n =  115.27010434603707
2*sqrt(n) =  116.72189169131899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.01138216519635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.3657542868303

n =  3407
somme des inverses des racines des entiers jusqu a n =  115.28723657749879
2*sqrt(n) =  116.7390251800999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.02822209753894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.38303455383038

n =  3408
somme des inverses des racines des entiers jusqu a n =  115.30436629524448
2*sqrt(n) =  116.75615615461139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.04505960176219
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.40031226348599

n =  3409
somme des inverses des racines des entiers jusqu a n =  115.32149350038029
2*sqrt(n) =  116.77328461596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.0618946789221
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.41758741692894

n =  3410
somme des inverses des racines des entiers jusqu a n =  115.33861819401156
2*sqrt(n) =  116.79041056525146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.0787273300739
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.43486001529024

n =  3411
somme des inverses des racines des entiers jusqu a n =  115.35574037724281
2*sqrt(n) =  116.8075340035907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.09555755627207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.45213005970002

n =  3412
somme des inverses des racines des entiers jusqu a n =  115.37286005117775
2*sqrt(n) =  116.82465493208187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.11238535857031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.46939755128766

n =  3413
somme des inverses des racines des entiers jusqu a n =  115.3899772169193
2*sqrt(n) =  116.84177335182824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.12921073802154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.48666249118159

n =  3414
somme des inverses des racines des entiers jusqu a n =  115.40709187556956
2*sqrt(n) =  116.85888926393234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.14603369567796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.50392488050953

n =  3415
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somme des inverses des racines des entiers jusqu a n =  115.42420402822981
2*sqrt(n) =  116.87600266949585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.16285423259096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.52118472039828

n =  3416
somme des inverses des racines des entiers jusqu a n =  115.44131367600053
2*sqrt(n) =  116.89311356961966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.1796723498112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.53844201197388

n =  3417
somme des inverses des racines des entiers jusqu a n =  115.45842081998143
2*sqrt(n) =  116.91022196540386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.19648804838857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.5556967563615

n =  3418
somme des inverses des racines des entiers jusqu a n =  115.47552546127136
2*sqrt(n) =  116.92732785794773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.2133013293722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.5729489546855

n =  3419
somme des inverses des racines des entiers jusqu a n =  115.4926276009684
2*sqrt(n) =  116.94443124834974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.23011219381044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.59019860806939

n =  3420
somme des inverses des racines des entiers jusqu a n =  115.50972724016982
2*sqrt(n) =  116.96153213770756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.24692064275092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.60744571763588

n =  3421
somme des inverses des racines des entiers jusqu a n =  115.5268243799721
2*sqrt(n) =  116.97863052711807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.26372667724047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.62469028450687

n =  3422
somme des inverses des racines des entiers jusqu a n =  115.54391902147088
2*sqrt(n) =  116.99572641767733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.2805302983252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.6419323098034

n =  3423
somme des inverses des racines des entiers jusqu a n =  115.56101116576104
2*sqrt(n) =  117.0128198104806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.29733150705042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.65917179464569

n =  3424
somme des inverses des racines des entiers jusqu a n =  115.57810081393666
2*sqrt(n) =  117.02991070662235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.31413030446072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.67640874015316

n =  3425
somme des inverses des racines des entiers jusqu a n =  115.595187967091
2*sqrt(n) =  117.04699910719626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.33092669159994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.69364314744442
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n =  3426
somme des inverses des racines des entiers jusqu a n =  115.61227262631652
2*sqrt(n) =  117.06408501329517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.3477206695111
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.71087501763719

n =  3427
somme des inverses des racines des entiers jusqu a n =  115.62935479270492
2*sqrt(n) =  117.08116842601119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.36451223923659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.72810435184849

n =  3428
somme des inverses des racines des entiers jusqu a n =  115.64643446734705
2*sqrt(n) =  117.09824934643558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.38130140181792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.7453311511944

n =  3429
somme des inverses des racines des entiers jusqu a n =  115.663511651333
2*sqrt(n) =  117.11532777565881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.39808815829589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.76255541679026

n =  3430
somme des inverses des racines des entiers jusqu a n =  115.68058634575206
2*sqrt(n) =  117.13240371477058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.41487250971059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.77977714975056

n =  3431
somme des inverses des racines des entiers jusqu a n =  115.69765855169273
2*sqrt(n) =  117.14947716485976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.43165445710132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.79699635118898

n =  3432
somme des inverses des racines des entiers jusqu a n =  115.7147282702427
2*sqrt(n) =  117.16654812701448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.44843400150663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.8142130222184

n =  3433
somme des inverses des racines des entiers jusqu a n =  115.7317955024889
2*sqrt(n) =  117.18361660232202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.46521114396432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.83142716395086

n =  3434
somme des inverses des racines des entiers jusqu a n =  115.7488602495174
2*sqrt(n) =  117.2006825918689
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.48198588551148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.8486387774976

n =  3435
somme des inverses des racines des entiers jusqu a n =  115.76592251241358
2*sqrt(n) =  117.21774609674083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.49875822718438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.86584786396905

n =  3436
somme des inverses des racines des entiers jusqu a n =  115.78298229226195
2*sqrt(n) =  117.23480711802276
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.51552817001861
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.88305442447482

n =  3437
somme des inverses des racines des entiers jusqu a n =  115.80003959014627
2*sqrt(n) =  117.25186565679883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.532295715049
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.90025846012374

n =  3438
somme des inverses des racines des entiers jusqu a n =  115.8170944071495
2*sqrt(n) =  117.26892171415238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.54906086330959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.91745997202378

n =  3439
somme des inverses des racines des entiers jusqu a n =  115.8341467443538
2*sqrt(n) =  117.285975291166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.56582361583374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.93465896128212

n =  3440
somme des inverses des racines des entiers jusqu a n =  115.85119660284056
2*sqrt(n) =  117.30302638892144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.582583973654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.95185542900515

n =  3441
somme des inverses des racines des entiers jusqu a n =  115.86824398369039
2*sqrt(n) =  117.32007500849971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.59934193780224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.96904937629844

n =  3442
somme des inverses des racines des entiers jusqu a n =  115.8852888879831
2*sqrt(n) =  117.33712115098103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.61609750930955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  121.98624080426677

n =  3443
somme des inverses des racines des entiers jusqu a n =  115.90233131679771
2*sqrt(n) =  117.35416481744481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.6328506892063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.00342971401408

n =  3444
somme des inverses des racines des entiers jusqu a n =  115.91937127121248
2*sqrt(n) =  117.37120600896968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.64960147852206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.02061610664349

n =  3445
somme des inverses des racines des entiers jusqu a n =  115.93640875230489
2*sqrt(n) =  117.38824472663352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.66634987828576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.03779998325739

n =  3446
somme des inverses des racines des entiers jusqu a n =  115.95344376115159
2*sqrt(n) =  117.40528097151338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.6830958895255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.05498134495731

n =  3447
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somme des inverses des racines des entiers jusqu a n =  115.97047629882852
2*sqrt(n) =  117.42231474468556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.6998395132687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.072160192844

n =  3448
somme des inverses des racines des entiers jusqu a n =  115.98750636641077
2*sqrt(n) =  117.43934604722558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.71658075054201
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.08933652801737

n =  3449
somme des inverses des racines des entiers jusqu a n =  116.00453396497271
2*sqrt(n) =  117.45637488020819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.73331960237135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.1065103515766

n =  3450
somme des inverses des racines des entiers jusqu a n =  116.02155909558789
2*sqrt(n) =  117.4734012447073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.7500560697819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.12368166462001

n =  3451
somme des inverses des racines des entiers jusqu a n =  116.03858175932909
2*sqrt(n) =  117.49042514179612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.76679015379813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.14085046824512

n =  3452
somme des inverses des racines des entiers jusqu a n =  116.05560195726834
2*sqrt(n) =  117.50744657254705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.78352185544374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.1580167635487

n =  3453
somme des inverses des racines des entiers jusqu a n =  116.07261969047686
2*sqrt(n) =  117.52446553803169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.8002511757417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.17518055162668

n =  3454
somme des inverses des racines des entiers jusqu a n =  116.08963496002511
2*sqrt(n) =  117.54148203932091
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.81697811571429
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.19234183357422

n =  3455
somme des inverses des racines des entiers jusqu a n =  116.10664776698277
2*sqrt(n) =  117.55849607748476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.833702676383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.20950061048565

n =  3456
somme des inverses des racines des entiers jusqu a n =  116.12365811241877
2*sqrt(n) =  117.57550765359255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.8504248587686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.22665688345452

n =  3457
somme des inverses des racines des entiers jusqu a n =  116.14066599740123
2*sqrt(n) =  117.5925167687128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.86714466389118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.2438106535736
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n =  3458
somme des inverses des racines des entiers jusqu a n =  116.15767142299751
2*sqrt(n) =  117.60952342391326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.88386209277003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.26096192193488

n =  3459
somme des inverses des racines des entiers jusqu a n =  116.17467439027422
2*sqrt(n) =  117.6265276202609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.90057714642374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.27811068962949

n =  3460
somme des inverses des racines des entiers jusqu a n =  116.19167490029717
2*sqrt(n) =  117.64352935882194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.91728982587017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.29525695774782

n =  3461
somme des inverses des racines des entiers jusqu a n =  116.20867295413142
2*sqrt(n) =  117.66052864066182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.93400013212649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.3124007273795

n =  3462
somme des inverses des racines des entiers jusqu a n =  116.22566855284124
2*sqrt(n) =  117.6775254668452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.95070806620905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.32954199961327

n =  3463
somme des inverses des racines des entiers jusqu a n =  116.24266169749016
2*sqrt(n) =  117.69451983843598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.96741362913356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.34668077553718

n =  3464
somme des inverses des racines des entiers jusqu a n =  116.25965238914092
2*sqrt(n) =  117.71151175649729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  106.98411682191497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.36381705623845

n =  3465
somme des inverses des racines des entiers jusqu a n =  116.27664062885552
2*sqrt(n) =  117.7285012220915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.0008176455675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.38095084280349

n =  3466
somme des inverses des racines des entiers jusqu a n =  116.29362641769514
2*sqrt(n) =  117.74548823628021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.01751610110466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.39808213631798

n =  3467
somme des inverses des racines des entiers jusqu a n =  116.31060975672025
2*sqrt(n) =  117.76247280012423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.0342121895392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.41521093786673

n =  3468
somme des inverses des racines des entiers jusqu a n =  116.32759064699054
2*sqrt(n) =  117.77945491468365
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.05090591188323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.43233724853387

n =  3469
somme des inverses des racines des entiers jusqu a n =  116.34456908956491
2*sqrt(n) =  117.79643458101778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.06759726914804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.44946106940264

n =  3470
somme des inverses des racines des entiers jusqu a n =  116.36154508550155
2*sqrt(n) =  117.81341180018512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.08428626234422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.46658240155557

n =  3471
somme des inverses des racines des entiers jusqu a n =  116.37851863585782
2*sqrt(n) =  117.83038657324349
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.1009728924817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.48370124607438

n =  3472
somme des inverses des racines des entiers jusqu a n =  116.39548974169037
2*sqrt(n) =  117.84735890124988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.11765716056964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.50081760404

n =  3473
somme des inverses des racines des entiers jusqu a n =  116.41245840405507
2*sqrt(n) =  117.86432878526055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.13433906761648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.51793147653258

n =  3474
somme des inverses des racines des entiers jusqu a n =  116.42942462400705
2*sqrt(n) =  117.881296226331
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.15101861462996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.53504286463152

n =  3475
somme des inverses des racines des entiers jusqu a n =  116.44638840260066
2*sqrt(n) =  117.89826122551597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.16769580261708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.5521517694154

n =  3476
somme des inverses des racines des entiers jusqu a n =  116.46334974088948
2*sqrt(n) =  117.91522378386941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.18437063258413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.56925819196205

n =  3477
somme des inverses des racines des entiers jusqu a n =  116.48030863992636
2*sqrt(n) =  117.93218390244455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.2010431055367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.58636213334847

n =  3478
somme des inverses des racines des entiers jusqu a n =  116.49726510076339
2*sqrt(n) =  117.94914158229385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.21771322247963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.60346359465096

n =  3479
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somme des inverses des racines des entiers jusqu a n =  116.51421912445187
2*sqrt(n) =  117.96609682446902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.23438098441709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.62056257694499

n =  3480
somme des inverses des racines des entiers jusqu a n =  116.5311707120424
2*sqrt(n) =  117.983049630021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.25104639235249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.63765908130526

n =  3481
somme des inverses des racines des entiers jusqu a n =  116.54811986458476
2*sqrt(n) =  118.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.26770944728857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.65475310880572

n =  3482
somme des inverses des racines des entiers jusqu a n =  116.56506658312804
2*sqrt(n) =  118.01694793545543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.2843701502273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.6718446605195

n =  3483
somme des inverses des racines des entiers jusqu a n =  116.58201086872056
2*sqrt(n) =  118.033893437436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.30102850217001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.68893373751901

n =  3484
somme des inverses des racines des entiers jusqu a n =  116.59895272240985
2*sqrt(n) =  118.05083650698965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.31768450411727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.70602034087585

n =  3485
somme des inverses des racines des entiers jusqu a n =  116.61589214524273
2*sqrt(n) =  118.06777714516353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.33433815706891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.72310447166083

n =  3486
somme des inverses des racines des entiers jusqu a n =  116.63282913826525
2*sqrt(n) =  118.08471535300409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.35098946202413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.74018613094407

n =  3487
somme des inverses des racines des entiers jusqu a n =  116.64976370252272
2*sqrt(n) =  118.101651131557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.36763841998136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.75726531979483

n =  3488
somme des inverses des racines des entiers jusqu a n =  116.66669583905968
2*sqrt(n) =  118.1185844818672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.38428503193833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.77434203928163

n =  3489
somme des inverses des racines des entiers jusqu a n =  116.68362554891996
2*sqrt(n) =  118.13551540497888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.40092929889211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.79141629047226
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n =  3490
somme des inverses des racines des entiers jusqu a n =  116.7005528331466
2*sqrt(n) =  118.15244390193544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.41757122183897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.80848807443367

n =  3491
somme des inverses des racines des entiers jusqu a n =  116.71747769278191
2*sqrt(n) =  118.16936997377958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.43421080177455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.8255573922321

n =  3492
somme des inverses des racines des entiers jusqu a n =  116.73440012886748
2*sqrt(n) =  118.18629362155326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.45084803969377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.842624244933

n =  3493
somme des inverses des racines des entiers jusqu a n =  116.7513201424441
2*sqrt(n) =  118.20321484629764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.46748293659081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.85968863360105

n =  3494
somme des inverses des racines des entiers jusqu a n =  116.76823773455186
2*sqrt(n) =  118.2201336490532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.4841154934592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.87675055930019

n =  3495
somme des inverses des racines des entiers jusqu a n =  116.7851529062301
2*sqrt(n) =  118.23705003085962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.50074571129171
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.89381002309358

n =  3496
somme des inverses des racines des entiers jusqu a n =  116.80206565851739
2*sqrt(n) =  118.25396399275586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.51737359108043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.91086702604356

n =  3497
somme des inverses des racines des entiers jusqu a n =  116.81897599245158
2*sqrt(n) =  118.27087553578015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.53399913381678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.92792156921183

n =  3498
somme des inverses des racines des entiers jusqu a n =  116.83588390906979
2*sqrt(n) =  118.28778466096996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.55062234049142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.94497365365923

n =  3499
somme des inverses des racines des entiers jusqu a n =  116.85278940940837
2*sqrt(n) =  118.30469136936202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.56724321209434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.96202328044586

n =  3500
somme des inverses des racines des entiers jusqu a n =  116.86969249450294
2*sqrt(n) =  118.32159566199232
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.58386174961481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.97907045063107

n =  3501
somme des inverses des racines des entiers jusqu a n =  116.88659316538839
2*sqrt(n) =  118.33849753989612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.60047795404147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  122.99611516527345

n =  3502
somme des inverses des racines des entiers jusqu a n =  116.90349142309886
2*sqrt(n) =  118.35539700410793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.61709182636214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.01315742543082

n =  3503
somme des inverses des racines des entiers jusqu a n =  116.92038726866775
2*sqrt(n) =  118.37229405566153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.63370336756404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.03019723216026

n =  3504
somme des inverses des racines des entiers jusqu a n =  116.93728070312774
2*sqrt(n) =  118.38918869558994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.65031257863366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.04723458651807

n =  3505
somme des inverses des racines des entiers jusqu a n =  116.95417172751075
2*sqrt(n) =  118.40608092492548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.66691946055678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.06426948955982

n =  3506
somme des inverses des racines des entiers jusqu a n =  116.97106034284799
2*sqrt(n) =  118.4229707446997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.68352401431852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.08130194234027

n =  3507
somme des inverses des racines des entiers jusqu a n =  116.98794655016991
2*sqrt(n) =  118.43985815594343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.70012624090324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.09833194591351

n =  3508
somme des inverses des racines des entiers jusqu a n =  117.00483035050624
2*sqrt(n) =  118.45674315968678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.71672614129471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.11535950133282

n =  3509
somme des inverses des racines des entiers jusqu a n =  117.02171174488598
2*sqrt(n) =  118.4736257569591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.73332371647588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.1323846096507

n =  3510
somme des inverses des racines des entiers jusqu a n =  117.03859073433738
2*sqrt(n) =  118.490505948789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.74991896742908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.14940727191895

n =  3511
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somme des inverses des racines des entiers jusqu a n =  117.05546731988797
2*sqrt(n) =  118.50738373620439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.76651189513596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.1664274891886

n =  3512
somme des inverses des racines des entiers jusqu a n =  117.07234150256454
2*sqrt(n) =  118.52425912023243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.78310250057743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.18344526250993

n =  3513
somme des inverses des racines des entiers jusqu a n =  117.08921328339316
2*sqrt(n) =  118.54113210189955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.79969078473373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.20046059293246

n =  3514
somme des inverses des racines des entiers jusqu a n =  117.10608266339918
2*sqrt(n) =  118.55800268223145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.81627674858441
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.21747348150497

n =  3515
somme des inverses des racines des entiers jusqu a n =  117.12294964360719
2*sqrt(n) =  118.5748708622531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.83286039310835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.23448392927548

n =  3516
somme des inverses des racines des entiers jusqu a n =  117.13981422504106
2*sqrt(n) =  118.59173664298875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.84944171928369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.25149193729128

n =  3517
somme des inverses des racines des entiers jusqu a n =  117.15667640872395
2*sqrt(n) =  118.6086000254619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.86602072808792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.26849750659888

n =  3518
somme des inverses des racines des entiers jusqu a n =  117.17353619567828
2*sqrt(n) =  118.62546101069533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.88259742049783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.28550063824407

n =  3519
somme des inverses des racines des entiers jusqu a n =  117.19039358692575
2*sqrt(n) =  118.64231959971113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.89917179748954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.30250133327192

n =  3520
somme des inverses des racines des entiers jusqu a n =  117.20724858348733
2*sqrt(n) =  118.65917579353061
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.91574386003848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.31949959272667

n =  3521
somme des inverses des racines des entiers jusqu a n =  117.22410118638327
2*sqrt(n) =  118.67602959317438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.93231360911933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.3364954176519
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n =  3522
somme des inverses des racines des entiers jusqu a n =  117.24095139663308
2*sqrt(n) =  118.69288099966232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.94888104570617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.3534888090904

n =  3523
somme des inverses des racines des entiers jusqu a n =  117.25779921525556
2*sqrt(n) =  118.7097300140136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.96544617077237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.37047976808421

n =  3524
somme des inverses des racines des entiers jusqu a n =  117.27464464326879
2*sqrt(n) =  118.72657663724664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.98200898529058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.38746829567467

n =  3525
somme des inverses des racines des entiers jusqu a n =  117.29148768169011
2*sqrt(n) =  118.74342087037917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  107.9985694902328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.40445439290235

n =  3526
somme des inverses des racines des entiers jusqu a n =  117.30832833153617
2*sqrt(n) =  118.76026271442818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.01512768657037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.42143806080708

n =  3527
somme des inverses des racines des entiers jusqu a n =  117.32516659382287
2*sqrt(n) =  118.77710217040993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.03168357527389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.43841930042795

n =  3528
somme des inverses des racines des entiers jusqu a n =  117.34200246956541
2*sqrt(n) =  118.79393923933998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.0482371573133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.45539811280331

n =  3529
somme des inverses des racines des entiers jusqu a n =  117.35883595977826
2*sqrt(n) =  118.81077392223317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.0647884336579
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.4723744989708

n =  3530
somme des inverses des racines des entiers jusqu a n =  117.37566706547516
2*sqrt(n) =  118.82760622010359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.08133740527626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.48934845996726

n =  3531
somme des inverses des racines des entiers jusqu a n =  117.39249578766915
2*sqrt(n) =  118.84443613396463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.09788407313626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.50631999682882

n =  3532
somme des inverses des racines des entiers jusqu a n =  117.40932212737255
2*sqrt(n) =  118.86126366482901
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.11442843820517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.52328911059094

n =  3533
somme des inverses des racines des entiers jusqu a n =  117.42614608559695
2*sqrt(n) =  118.87808881370864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.1309705014495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.54025580228821

n =  3534
somme des inverses des racines des entiers jusqu a n =  117.44296766335327
2*sqrt(n) =  118.89491158161479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.14751026383516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.5572200729546

n =  3535
somme des inverses des racines des entiers jusqu a n =  117.45978686165165
2*sqrt(n) =  118.91173196955799
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.16404772632733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.57418192362333

n =  3536
somme des inverses des racines des entiers jusqu a n =  117.47660368150156
2*sqrt(n) =  118.92854997854805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.18058288989052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.59114135532681

n =  3537
somme des inverses des racines des entiers jusqu a n =  117.49341812391174
2*sqrt(n) =  118.94536560959405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.19711575548857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.60809836909678

n =  3538
somme des inverses des racines des entiers jusqu a n =  117.51023018989021
2*sqrt(n) =  118.96217886370441
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.21364632408468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.62505296596427

n =  3539
somme des inverses des racines des entiers jusqu a n =  117.5270398804443
2*sqrt(n) =  118.97898974188678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.23017459664132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.6420051469595

n =  3540
somme des inverses des racines des entiers jusqu a n =  117.54384719658063
2*sqrt(n) =  118.99579824514814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.24670057412033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.65895491311204

n =  3541
somme des inverses des racines des entiers jusqu a n =  117.56065213930508
2*sqrt(n) =  119.01260437449471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.26322425748282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.67590226545066

n =  3542
somme des inverses des racines des entiers jusqu a n =  117.57745470962283
2*sqrt(n) =  119.02940813093208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.27974564768931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.69284720500347

n =  3543
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somme des inverses des racines des entiers jusqu a n =  117.59425490853836
2*sqrt(n) =  119.04620951546504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.29626474569957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.70978973279777

n =  3544
somme des inverses des racines des entiers jusqu a n =  117.61105273705545
2*sqrt(n) =  119.06300852909773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.31278155247276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.7267298498602

n =  3545
somme des inverses des racines des entiers jusqu a n =  117.62784819617714
2*sqrt(n) =  119.07980517283357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.32929606896735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.74366755721668

n =  3546
somme des inverses des racines des entiers jusqu a n =  117.64464128690581
2*sqrt(n) =  119.09659944767525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.3458082961411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.76060285589232

n =  3547
somme des inverses des racines des entiers jusqu a n =  117.66143201024309
2*sqrt(n) =  119.11339135462478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.36231823495116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.77753574691158

n =  3548
somme des inverses des racines des entiers jusqu a n =  117.67822036718992
2*sqrt(n) =  119.13018089468345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.37882588635398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.79446623129817

n =  3549
somme des inverses des racines des entiers jusqu a n =  117.69500635874654
2*sqrt(n) =  119.14696806885183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.39533125130534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.81139431007507

n =  3550
somme des inverses des racines des entiers jusqu a n =  117.71178998591247
2*sqrt(n) =  119.16375287812986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.4118343307604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.82831998426458

n =  3551
somme des inverses des racines des entiers jusqu a n =  117.72857124968655
2*sqrt(n) =  119.18053532351665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.42833512567357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.84524325488819

n =  3552
somme des inverses des racines des entiers jusqu a n =  117.7453501510669
2*sqrt(n) =  119.19731540601072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.44483363699867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.86216412296675

n =  3553
somme des inverses des racines des entiers jusqu a n =  117.76212669105094
2*sqrt(n) =  119.21409312660982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.46132986568881
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.87908258952034
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n =  3554
somme des inverses des racines des entiers jusqu a n =  117.7789008706354
2*sqrt(n) =  119.23086848631104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.47782381269644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.89599865556833

n =  3555
somme des inverses des racines des entiers jusqu a n =  117.79567269081629
2*sqrt(n) =  119.24764148611074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.4943154789734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.9129123221294

n =  3556
somme des inverses des racines des entiers jusqu a n =  117.81244215258893
2*sqrt(n) =  119.26441212700459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.5108048654708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.92982359022149

n =  3557
somme des inverses des racines des entiers jusqu a n =  117.82920925694793
2*sqrt(n) =  119.28118040998756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.5272919731391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.94673246086178

n =  3558
somme des inverses des racines des entiers jusqu a n =  117.84597400488724
2*sqrt(n) =  119.29794633605391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.54377680292814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.9636389350668

n =  3559
somme des inverses des racines des entiers jusqu a n =  117.86273639740006
2*sqrt(n) =  119.31470990619724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.56025935578705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.98054301385233

n =  3560
somme des inverses des racines des entiers jusqu a n =  117.8794964354789
2*sqrt(n) =  119.33147112141039
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.57673963266431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  123.99744469823342

n =  3561
somme des inverses des racines des entiers jusqu a n =  117.89625412011561
2*sqrt(n) =  119.34822998268554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.59321763450777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.01434398922443

n =  3562
somme des inverses des racines des entiers jusqu a n =  117.91300945230132
2*sqrt(n) =  119.36498649101419
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.6096933622646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.03124088783899

n =  3563
somme des inverses des racines des entiers jusqu a n =  117.92976243302647
2*sqrt(n) =  119.3817406473871
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.62616681688127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.04813539509001

n =  3564
somme des inverses des racines des entiers jusqu a n =  117.94651306328079
2*sqrt(n) =  119.3984924527944
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.6426379993037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.06502751198974

n =  3565
somme des inverses des racines des entiers jusqu a n =  117.96326134405334
2*sqrt(n) =  119.41524190822544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.65910691047705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.08191723954964

n =  3566
somme des inverses des racines des entiers jusqu a n =  117.98000727633246
2*sqrt(n) =  119.43198901466893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.67557355134585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.09880457878047

n =  3567
somme des inverses des racines des entiers jusqu a n =  117.99675086110581
2*sqrt(n) =  119.44873377311289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.69203792285401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.11568953069234

n =  3568
somme des inverses des racines des entiers jusqu a n =  118.01349209936036
2*sqrt(n) =  119.46547618454463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.70850002594473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.13257209629457

n =  3569
somme des inverses des racines des entiers jusqu a n =  118.03023099208241
2*sqrt(n) =  119.48221624995077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.7249598615606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.14945227659584

n =  3570
somme des inverses des racines des entiers jusqu a n =  118.04696754025753
2*sqrt(n) =  119.49895397031725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.74141743064357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.16633007260408

n =  3571
somme des inverses des racines des entiers jusqu a n =  118.06370174487061
2*sqrt(n) =  119.5156893466293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.75787273413485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.18320548532652

n =  3572
somme des inverses des racines des entiers jusqu a n =  118.08043360690587
2*sqrt(n) =  119.53242237987148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.77432577297509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.20007851576966

n =  3573
somme des inverses des racines des entiers jusqu a n =  118.09716312734682
2*sqrt(n) =  119.54915307102765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.79077654810425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.21694916493935

n =  3574
somme des inverses des racines des entiers jusqu a n =  118.11389030717629
2*sqrt(n) =  119.56588142108099
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.80722506046162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.23381743384067

n =  3575
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somme des inverses des racines des entiers jusqu a n =  118.13061514737643
2*sqrt(n) =  119.58260743101398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.82367131098587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.25068332347803

n =  3576
somme des inverses des racines des entiers jusqu a n =  118.1473376489287
2*sqrt(n) =  119.59933110180843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.84011530061503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.26754683485512

n =  3577
somme des inverses des racines des entiers jusqu a n =  118.16405781281387
2*sqrt(n) =  119.61605243444544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.85655703028642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.28440796897495

n =  3578
somme des inverses des racines des entiers jusqu a n =  118.180775640012
2*sqrt(n) =  119.63277142990545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.87299650093678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.30126672683977

n =  3579
somme des inverses des racines des entiers jusqu a n =  118.19749113150253
2*sqrt(n) =  119.64948808916819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.88943371350217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.3181231094512

n =  3580
somme des inverses des racines des entiers jusqu a n =  118.21420428826416
2*sqrt(n) =  119.66620241321273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.90586866891799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.3349771178101

n =  3581
somme des inverses des racines des entiers jusqu a n =  118.23091511127491
2*sqrt(n) =  119.68291440301745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.92230136811902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.35182875291666

n =  3582
somme des inverses des racines des entiers jusqu a n =  118.24762360151215
2*sqrt(n) =  119.69962405956002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.93873181203936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.36867801577034

n =  3583
somme des inverses des racines des entiers jusqu a n =  118.26432975995253
2*sqrt(n) =  119.71633138381748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.95516000161253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.38552490736996

n =  3584
somme des inverses des racines des entiers jusqu a n =  118.28103358757205
2*sqrt(n) =  119.73303637676612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.97158593777131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.40236942871353

n =  3585
somme des inverses des racines des entiers jusqu a n =  118.29773508534602
2*sqrt(n) =  119.74973903938162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  108.9880096214479
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.41921158079847
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n =  3586
somme des inverses des racines des entiers jusqu a n =  118.31443425424906
2*sqrt(n) =  119.76643937263894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.00443105357387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.43605136462148

n =  3587
somme des inverses des racines des entiers jusqu a n =  118.33113109525513
2*sqrt(n) =  119.78313737751236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.02085023508008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.4528887811785

n =  3588
somme des inverses des racines des entiers jusqu a n =  118.34782560933749
2*sqrt(n) =  119.7998330549755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.03726716689681
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.46972383146483

n =  3589
somme des inverses des racines des entiers jusqu a n =  118.36451779746872
2*sqrt(n) =  119.81652640600127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.05368184995368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.48655651647508

n =  3590
somme des inverses des racines des entiers jusqu a n =  118.38120766062075
2*sqrt(n) =  119.83321743156193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.07009428517961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.5033868372031

n =  3591
somme des inverses des racines des entiers jusqu a n =  118.3978951997648
2*sqrt(n) =  119.84990613262907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.086504473503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.52021479464211

n =  3592
somme des inverses des racines des entiers jusqu a n =  118.41458041587146
2*sqrt(n) =  119.86659251017358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.10291241585149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.53704038978462

n =  3593
somme des inverses des racines des entiers jusqu a n =  118.43126330991058
2*sqrt(n) =  119.88327656516567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.11931811315216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.55386362362243

n =  3594
somme des inverses des racines des entiers jusqu a n =  118.44794388285139
2*sqrt(n) =  119.8999582985749
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.1357215663314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.57068449714664

n =  3595
somme des inverses des racines des entiers jusqu a n =  118.46462213566242
2*sqrt(n) =  119.91663771137014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.152122776315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.5875030113477

n =  3596
somme des inverses des racines des entiers jusqu a n =  118.48129806931155
2*sqrt(n) =  119.9333148045196
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.16852174402808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.60431916721535

n =  3597
somme des inverses des racines des entiers jusqu a n =  118.49797168476596
2*sqrt(n) =  119.9499895789908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.18491847039517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.6211329657386

n =  3598
somme des inverses des racines des entiers jusqu a n =  118.51464298299216
2*sqrt(n) =  119.96666203575059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.20131295634012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.63794440790582

n =  3599
somme des inverses des racines des entiers jusqu a n =  118.531311964956
2*sqrt(n) =  119.98333217576514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.21770520278612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.65475349470465

n =  3600
somme des inverses des racines des entiers jusqu a n =  118.54797863162267
2*sqrt(n) =  120.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.23409521065581
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.6715602271221

n =  3601
somme des inverses des racines des entiers jusqu a n =  118.56464298395666
2*sqrt(n) =  120.01666550941998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.25048298087111
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.68836460614442

n =  3602
somme des inverses des racines des entiers jusqu a n =  118.58130502292181
2*sqrt(n) =  120.03332870498926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.26686851435336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.7051666327572

n =  3603
somme des inverses des racines des entiers jusqu a n =  118.59796474948129
2*sqrt(n) =  120.04998958767135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.28325181202325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.7219663079454

n =  3604
somme des inverses des racines des entiers jusqu a n =  118.6146221645976
2*sqrt(n) =  120.06664815842908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.29963287480085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.73876363269318

n =  3605
somme des inverses des racines des entiers jusqu a n =  118.63127726923258
2*sqrt(n) =  120.0833044182246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.31601170360555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.75555860798411

n =  3606
somme des inverses des racines des entiers jusqu a n =  118.64793006434739
2*sqrt(n) =  120.09995836801943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.33238829935617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.77235123480105

n =  3607
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somme des inverses des racines des entiers jusqu a n =  118.66458055090253
2*sqrt(n) =  120.11661000877439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.34876266297086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.78914151412616

n =  3608
somme des inverses des racines des entiers jusqu a n =  118.68122872985784
2*sqrt(n) =  120.13325934144966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.36513479536715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.80592944694091

n =  3609
somme des inverses des racines des entiers jusqu a n =  118.69787460217246
2*sqrt(n) =  120.14990636700472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.38150469746193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.8227150342261

n =  3610
somme des inverses des racines des entiers jusqu a n =  118.71451816880493
2*sqrt(n) =  120.16655108639841
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.39787237017148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.83949827696188

n =  3611
somme des inverses des racines des entiers jusqu a n =  118.73115943071306
2*sqrt(n) =  120.18319350058893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.41423781441148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.85627917612766

n =  3612
somme des inverses des racines des entiers jusqu a n =  118.74779838885405
2*sqrt(n) =  120.19983361053376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.43060103109688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.8730577327022

n =  3613
somme des inverses des racines des entiers jusqu a n =  118.76443504418441
2*sqrt(n) =  120.21647141718975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.44696202114211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.88983394766356

n =  3614
somme des inverses des racines des entiers jusqu a n =  118.78106939765999
2*sqrt(n) =  120.2331069215131
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.46332078546092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.90660782198918

n =  3615
somme des inverses des racines des entiers jusqu a n =  118.79770145023599
2*sqrt(n) =  120.24974012445931
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.47967732496645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.92337935665573

n =  3616
somme des inverses des racines des entiers jusqu a n =  118.81433120286694
2*sqrt(n) =  120.26637102698326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.4960316405712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.9401485526393

n =  3617
somme des inverses des racines des entiers jusqu a n =  118.8309586565067
2*sqrt(n) =  120.28299963003916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.51238373318706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.9569154109152
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n =  3618
somme des inverses des racines des entiers jusqu a n =  118.84758381210848
2*sqrt(n) =  120.29962593458053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.5287336037253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.97367993245815

n =  3619
somme des inverses des racines des entiers jusqu a n =  118.86420667062487
2*sqrt(n) =  120.31624994156026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.54508125309653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  124.99044211824213

n =  3620
somme des inverses des racines des entiers jusqu a n =  118.88082723300774
2*sqrt(n) =  120.33287165193059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.56142668221078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.0072019692405

n =  3621
somme des inverses des racines des entiers jusqu a n =  118.89744550020832
2*sqrt(n) =  120.34949106664307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.57776989197743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.02395948642588

n =  3622
somme des inverses des racines des entiers jusqu a n =  118.91406147317721
2*sqrt(n) =  120.36610818664862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.59411088330526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.04071467077029

n =  3623
somme des inverses des racines des entiers jusqu a n =  118.93067515286434
2*sqrt(n) =  120.3827230128975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.61044965710244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.05746752324504

n =  3624
somme des inverses des racines des entiers jusqu a n =  118.94728654021897
2*sqrt(n) =  120.39933554633929
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.62678621427642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.07421804482073

n =  3625
somme des inverses des racines des entiers jusqu a n =  118.96389563618972
2*sqrt(n) =  120.41594578792295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.64312055573419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.09096623646734

n =  3626
somme des inverses des racines des entiers jusqu a n =  118.98050244172455
2*sqrt(n) =  120.43255373859678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.65945268238198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.10771209915417

n =  3627
somme des inverses des racines des entiers jusqu a n =  118.99710695777078
2*sqrt(n) =  120.44915939930839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.67578259512548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.12445563384983

n =  3628
somme des inverses des racines des entiers jusqu a n =  119.01370918527506
2*sqrt(n) =  120.46576277100478
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.69211029486975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.14119684152229

n =  3629
somme des inverses des racines des entiers jusqu a n =  119.0303091251834
2*sqrt(n) =  120.48236385463227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.7084357825192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.15793572313879

n =  3630
somme des inverses des racines des entiers jusqu a n =  119.04690677844113
2*sqrt(n) =  120.49896265113655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.72475905897765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.174672279666

n =  3631
somme des inverses des racines des entiers jusqu a n =  119.06350214599297
2*sqrt(n) =  120.51555916146263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.7410801251483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.19140651206979

n =  3632
somme des inverses des racines des entiers jusqu a n =  119.08009522878297
2*sqrt(n) =  120.53215338655491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.75739898193373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.2081384213155

n =  3633
somme des inverses des racines des entiers jusqu a n =  119.09668602775453
2*sqrt(n) =  120.5487453273571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.7737156302359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.2248680083677

n =  3634
somme des inverses des racines des entiers jusqu a n =  119.11327454385041
2*sqrt(n) =  120.56533498481228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.79003007095616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.24159527419033

n =  3635
somme des inverses des racines des entiers jusqu a n =  119.1298607780127
2*sqrt(n) =  120.58192235986289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.80634230499527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.2583202197467

n =  3636
somme des inverses des racines des entiers jusqu a n =  119.14644473118287
2*sqrt(n) =  120.59850745345068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.82265233325332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.27504284599937

n =  3637
somme des inverses des racines des entiers jusqu a n =  119.16302640430172
2*sqrt(n) =  120.61509026651682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.83896015662984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.29176315391031

n =  3638
somme des inverses des racines des entiers jusqu a n =  119.17960579830941
2*sqrt(n) =  120.63167080000177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.85526577602371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.3084811444408

n =  3639
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somme des inverses des racines des entiers jusqu a n =  119.19618291414547
2*sqrt(n) =  120.64824905484538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.87156919233323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.32519681855146

n =  3640
somme des inverses des racines des entiers jusqu a n =  119.21275775274876
2*sqrt(n) =  120.66482503198685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.88787040645607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.34191017720224

n =  3641
somme des inverses des racines des entiers jusqu a n =  119.22933031505751
2*sqrt(n) =  120.68139873236471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.90416941928929
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.35862122135242

n =  3642
somme des inverses des racines des entiers jusqu a n =  119.24590060200931
2*sqrt(n) =  120.6979701569169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.92046623172935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.37532995196067

n =  3643
somme des inverses des racines des entiers jusqu a n =  119.26246861454109
2*sqrt(n) =  120.71453930658063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.93676084467208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.39203636998491

n =  3644
somme des inverses des racines des entiers jusqu a n =  119.27903435358915
2*sqrt(n) =  120.73110618229256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.95305325901272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.40874047638249

n =  3645
somme des inverses des racines des entiers jusqu a n =  119.29559782008916
2*sqrt(n) =  120.74767078498864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.96934347564589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.42544227211002

n =  3646
somme des inverses des racines des entiers jusqu a n =  119.3121590149761
2*sqrt(n) =  120.76423311560423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  109.98563149546563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.44214175812353

n =  3647
somme des inverses des racines des entiers jusqu a n =  119.32871793918437
2*sqrt(n) =  120.780793175074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.00191731936532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.45883893537832

n =  3648
somme des inverses des racines des entiers jusqu a n =  119.34527459364769
2*sqrt(n) =  120.797350964332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.01820094823778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.4755338048291

n =  3649
somme des inverses des racines des entiers jusqu a n =  119.36182897929915
2*sqrt(n) =  120.81390648431164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.0344823829752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.49222636742986
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n =  3650
somme des inverses des racines des entiers jusqu a n =  119.3783810970712
2*sqrt(n) =  120.83045973594572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.05076162446919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.50891662413399

n =  3651
somme des inverses des racines des entiers jusqu a n =  119.39493094789566
2*sqrt(n) =  120.84701072016635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.06703867361072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.52560457589416

n =  3652
somme des inverses des racines des entiers jusqu a n =  119.4114785327037
2*sqrt(n) =  120.86355943790502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.08331353129017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.54229022366245

n =  3653
somme des inverses des racines des entiers jusqu a n =  119.42802385242585
2*sqrt(n) =  120.88010589009261
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.09958619839733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.55897356839024

n =  3654
somme des inverses des racines des entiers jusqu a n =  119.44456690799204
2*sqrt(n) =  120.8966500776593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.11585667582136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.57565461102827

n =  3655
somme des inverses des racines des entiers jusqu a n =  119.46110770033151
2*sqrt(n) =  120.91319200153472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.13212496445085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.59233335252667

n =  3656
somme des inverses des racines des entiers jusqu a n =  119.4776462303729
2*sqrt(n) =  120.9297316626478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.14839106517375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.60900979383482

n =  3657
somme des inverses des racines des entiers jusqu a n =  119.4941824990442
2*sqrt(n) =  120.94626906192683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.16465497887745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.62568393590152

n =  3658
somme des inverses des racines des entiers jusqu a n =  119.51071650727278
2*sqrt(n) =  120.96280420029953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.18091670644873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.64235577967493

n =  3659
somme des inverses des racines des entiers jusqu a n =  119.52724825598536
2*sqrt(n) =  120.97933707869291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.1971762487737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.65902532610251

n =  3660
somme des inverses des racines des entiers jusqu a n =  119.54377774610803
2*sqrt(n) =  120.9958676980334
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.213433606738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.6756925761311

n =  3661
somme des inverses des racines des entiers jusqu a n =  119.56030497856628
2*sqrt(n) =  121.01239605924675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.22968878122653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.69235753070687

n =  3662
somme des inverses des racines des entiers jusqu a n =  119.5768299542849
2*sqrt(n) =  121.02892216325814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.24594177312369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.70902019077536

n =  3663
somme des inverses des racines des entiers jusqu a n =  119.59335267418813
2*sqrt(n) =  121.04544601099208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.26219258331327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.72568055728148

n =  3664
somme des inverses des racines des entiers jusqu a n =  119.60987313919951
2*sqrt(n) =  121.06196760337245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.27844121267843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.74233863116946

n =  3665
somme des inverses des racines des entiers jusqu a n =  119.62639135024197
2*sqrt(n) =  121.07848694132248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.29468766210174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.75899441338285

n =  3666
somme des inverses des racines des entiers jusqu a n =  119.64290730823785
2*sqrt(n) =  121.09500402576482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.31093193246518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.77564790486464

n =  3667
somme des inverses des racines des entiers jusqu a n =  119.65942101410882
2*sqrt(n) =  121.11151885762146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.32717402465013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.79229910655712

n =  3668
somme des inverses des racines des entiers jusqu a n =  119.67593246877591
2*sqrt(n) =  121.12803143781376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.34341393953741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.80894801940194

n =  3669
somme des inverses des racines des entiers jusqu a n =  119.69244167315956
2*sqrt(n) =  121.14454176726247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.3596516780072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.8255946443401

n =  3670
somme des inverses des racines des entiers jusqu a n =  119.70894862817957
2*sqrt(n) =  121.16104984688768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.37588724093906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.84223898231198

n =  3671
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somme des inverses des racines des entiers jusqu a n =  119.72545333475512
2*sqrt(n) =  121.17755567760888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.39212062921204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.8588810342573

n =  3672
somme des inverses des racines des entiers jusqu a n =  119.74195579380472
2*sqrt(n) =  121.19405926034493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.40835184370455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.87552080111512

n =  3673
somme des inverses des racines des entiers jusqu a n =  119.75845600624632
2*sqrt(n) =  121.21056059601408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.42458088529442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.8921582838239

n =  3674
somme des inverses des racines des entiers jusqu a n =  119.77495397299721
2*sqrt(n) =  121.2270596855339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.44080775485884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.90879348332143

n =  3675
somme des inverses des racines des entiers jusqu a n =  119.79144969497406
2*sqrt(n) =  121.2435565298214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.45703245327448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.92542640054486

n =  3676
somme des inverses des racines des entiers jusqu a n =  119.80794317309291
2*sqrt(n) =  121.26005112979294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.47325498141737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.94205703643073

n =  3677
somme des inverses des racines des entiers jusqu a n =  119.82443440826918
2*sqrt(n) =  121.27654348636426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.489475340163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.9586853919149

n =  3678
somme des inverses des racines des entiers jusqu a n =  119.8409234014177
2*sqrt(n) =  121.29303360045044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.50569353038618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.97531146793257

n =  3679
somme des inverses des racines des entiers jusqu a n =  119.85741015345262
2*sqrt(n) =  121.309521472966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.52190955296123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  125.99193526541838

n =  3680
somme des inverses des racines des entiers jusqu a n =  119.87389466528751
2*sqrt(n) =  121.32600710482481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.53812340876183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.0085567853063

n =  3681
somme des inverses des racines des entiers jusqu a n =  119.89037693783531
2*sqrt(n) =  121.3424904969401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.55433509866108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.02517602852961
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n =  3682
somme des inverses des racines des entiers jusqu a n =  119.90685697200834
2*sqrt(n) =  121.35897165022452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.5705446235315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.04179299602103

n =  3683
somme des inverses des racines des entiers jusqu a n =  119.9233347687183
2*sqrt(n) =  121.37545056559007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.58675198424501
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.0584076887126

n =  3684
somme des inverses des racines des entiers jusqu a n =  119.93981032887628
2*sqrt(n) =  121.39192724394815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.60295718167295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.07502010753574

n =  3685
somme des inverses des racines des entiers jusqu a n =  119.95628365339272
2*sqrt(n) =  121.40840168620952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.61916021668608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.09163025342123

n =  3686
somme des inverses des racines des entiers jusqu a n =  119.97275474317748
2*sqrt(n) =  121.42487389328431
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.63536109015455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.10823812729919

n =  3687
somme des inverses des racines des entiers jusqu a n =  119.98922359913979
2*sqrt(n) =  121.44134386608212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.65155980294799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.12484373009919

n =  3688
somme des inverses des racines des entiers jusqu a n =  120.00569022218826
2*sqrt(n) =  121.45781160551181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.66775635593532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.14144706275005

n =  3689
somme des inverses des racines des entiers jusqu a n =  120.02215461323088
2*sqrt(n) =  121.47427711248172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.68395074998504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.15804812618005

n =  3690
somme des inverses des racines des entiers jusqu a n =  120.03861677317504
2*sqrt(n) =  121.49074038789952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.70014298596496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.1746469213168

n =  3691
somme des inverses des racines des entiers jusqu a n =  120.0550767029275
2*sqrt(n) =  121.50720143267229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.7163330647423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.19124344908728

n =  3692
somme des inverses des racines des entiers jusqu a n =  120.07153440339441
2*sqrt(n) =  121.5236602477065
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.73252098718376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.20783771041786

n =  3693
somme des inverses des racines des entiers jusqu a n =  120.08798987548131
2*sqrt(n) =  121.54011683390797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.74870675415542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.22442970623425

n =  3694
somme des inverses des racines des entiers jusqu a n =  120.10444312009314
2*sqrt(n) =  121.55657119218195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.76489036652276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.24101943746153

n =  3695
somme des inverses des racines des entiers jusqu a n =  120.12089413813419
2*sqrt(n) =  121.57302332343306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.78107182515076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.2576069050242

n =  3696
somme des inverses des racines des entiers jusqu a n =  120.13734293050818
2*sqrt(n) =  121.58947322856531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.79725113090375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.2741921098461

n =  3697
somme des inverses des racines des entiers jusqu a n =  120.1537894981182
2*sqrt(n) =  121.60592090848209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.81342828464547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.2907750528504

n =  3698
somme des inverses des racines des entiers jusqu a n =  120.17023384186672
2*sqrt(n) =  121.62236636408618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.82960328723911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.30735573495971

n =  3699
somme des inverses des racines des entiers jusqu a n =  120.18667596265561
2*sqrt(n) =  121.63880959627976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.84577613954731
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.32393415709598

n =  3700
somme des inverses des racines des entiers jusqu a n =  120.20311586138615
2*sqrt(n) =  121.6552506059644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.86194684243209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.34051032018056

n =  3701
somme des inverses des racines des entiers jusqu a n =  120.21955353895898
2*sqrt(n) =  121.67168939404104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.8781153967549
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.35708422513412

n =  3702
somme des inverses des racines des entiers jusqu a n =  120.23598899627413
2*sqrt(n) =  121.68812596141005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.89428180337661
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.37365587287677

n =  3703
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somme des inverses des racines des entiers jusqu a n =  120.25242223423105
2*sqrt(n) =  121.70456030897117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.91044606315756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.39022526432797

n =  3704
somme des inverses des racines des entiers jusqu a n =  120.26885325372857
2*sqrt(n) =  121.72099243762351
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.92660817695744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.40679240040654

n =  3705
somme des inverses des racines des entiers jusqu a n =  120.28528205566491
2*sqrt(n) =  121.73742234826561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.94276814563543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.4233572820307

n =  3706
somme des inverses des racines des entiers jusqu a n =  120.30170864093768
2*sqrt(n) =  121.75385004179539
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.95892597005009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.43991991011804

n =  3707
somme des inverses des racines des entiers jusqu a n =  120.3181330104439
2*sqrt(n) =  121.77027551911016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.97508165105943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.45648028558551

n =  3708
somme des inverses des racines des entiers jusqu a n =  120.33455516507998
2*sqrt(n) =  121.78669878110664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  110.99123518952089
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.4730384093495

n =  3709
somme des inverses des racines des entiers jusqu a n =  120.3509751057417
2*sqrt(n) =  121.8031198286809
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.00738658629132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.4895942823257

n =  3710
somme des inverses des racines des entiers jusqu a n =  120.36739283332427
2*sqrt(n) =  121.81953866272849
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.02353584222702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.50614790542923

n =  3711
somme des inverses des racines des entiers jusqu a n =  120.3838083487223
2*sqrt(n) =  121.83595528414426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.03968295818368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.52269927957455

n =  3712
somme des inverses des racines des entiers jusqu a n =  120.40022165282976
2*sqrt(n) =  121.85236969382254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.05582793501645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.53924840567558

n =  3713
somme des inverses des racines des entiers jusqu a n =  120.41663274654005
2*sqrt(n) =  121.86878189265698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.0719707735799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.55579528464551
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n =  3714
somme des inverses des racines des entiers jusqu a n =  120.43304163074596
2*sqrt(n) =  121.88519188154072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.08811147472807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.57233991739704

n =  3715
somme des inverses des racines des entiers jusqu a n =  120.44944830633969
2*sqrt(n) =  121.90159966136622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.10425003931437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.58888230484214

n =  3716
somme des inverses des racines des entiers jusqu a n =  120.4658527742128
2*sqrt(n) =  121.91800523302537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.12038646819164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.60542244789222

n =  3717
somme des inverses des racines des entiers jusqu a n =  120.48225503525632
2*sqrt(n) =  121.93440859740946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.13652076221221
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.62196034745809

n =  3718
somme des inverses des racines des entiers jusqu a n =  120.4986550903606
2*sqrt(n) =  121.95080975540917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.15265292222779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.63849600444986

n =  3719
somme des inverses des racines des entiers jusqu a n =  120.51505294041544
2*sqrt(n) =  121.96720870791461
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.16878294908955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.65502941977714

n =  3720
somme des inverses des racines des entiers jusqu a n =  120.53144858631005
2*sqrt(n) =  121.98360545581525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.18491084364807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.67156059434885

n =  3721
somme des inverses des racines des entiers jusqu a n =  120.547842028933
2*sqrt(n) =  122.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.20103660675338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.68808952907331

n =  3722
somme des inverses des racines des entiers jusqu a n =  120.5642332691723
2*sqrt(n) =  122.01639234135715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.21716023925495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.70461622485824

n =  3723
somme des inverses des racines des entiers jusqu a n =  120.58062230791536
2*sqrt(n) =  122.0327824807744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.2332817420017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.72114068261075

n =  3724
somme des inverses des racines des entiers jusqu a n =  120.59700914604898
2*sqrt(n) =  122.04917041913886
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.2494011158419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.73766290323734

n =  3725
somme des inverses des racines des entiers jusqu a n =  120.61339378445936
2*sqrt(n) =  122.06555615733703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.26551836162338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.75418288764385

n =  3726
somme des inverses des racines des entiers jusqu a n =  120.62977622403213
2*sqrt(n) =  122.08193969625482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.28163348019329
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.77070063673558

n =  3727
somme des inverses des racines des entiers jusqu a n =  120.6461564656523
2*sqrt(n) =  122.09832103677756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.2977464723983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.78721615141718

n =  3728
somme des inverses des racines des entiers jusqu a n =  120.66253451020431
2*sqrt(n) =  122.11470017978998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.3138573390845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.80372943259272

n =  3729
somme des inverses des racines des entiers jusqu a n =  120.678910358572
2*sqrt(n) =  122.13107712617621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.3299660810974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.82024048116561

n =  3730
somme des inverses des racines des entiers jusqu a n =  120.69528401163859
2*sqrt(n) =  122.14745187681976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.3460726992819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.83674929803868

n =  3731
somme des inverses des racines des entiers jusqu a n =  120.71165547028676
2*sqrt(n) =  122.16382443260362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.36217719448247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.85325588411419

n =  3732
somme des inverses des racines des entiers jusqu a n =  120.72802473539855
2*sqrt(n) =  122.18019479441011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.37827956754288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.86976024029373

n =  3733
somme des inverses des racines des entiers jusqu a n =  120.74439180785544
2*sqrt(n) =  122.19656296312102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.39437981930645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.88626236747831

n =  3734
somme des inverses des racines des entiers jusqu a n =  120.7607566885383
2*sqrt(n) =  122.21292893961751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.41047795061584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.90276226656835

n =  3735
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somme des inverses des racines des entiers jusqu a n =  120.77711937832743
2*sqrt(n) =  122.22929272478018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.42657396231327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.91925993846364

n =  3736
somme des inverses des racines des entiers jusqu a n =  120.79347987810252
2*sqrt(n) =  122.245654319489
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.44266785524027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.93575538406337

n =  3737
somme des inverses des racines des entiers jusqu a n =  120.80983818874269
2*sqrt(n) =  122.2620137246234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.45875963023792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.95224860426615

n =  3738
somme des inverses des racines des entiers jusqu a n =  120.82619431112646
2*sqrt(n) =  122.27837094106218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.47484928814667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.96873959996992

n =  3739
somme des inverses des racines des entiers jusqu a n =  120.84254824613177
2*sqrt(n) =  122.29472596968358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.49093682980647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  126.98522837207213

n =  3740
somme des inverses des racines des entiers jusqu a n =  120.85889999463596
2*sqrt(n) =  122.31107881136525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.50702225605667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.00171492146953

n =  3741
somme des inverses des racines des entiers jusqu a n =  120.8752495575158
2*sqrt(n) =  122.32742946698423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.52310556773608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.0181992490583

n =  3742
somme des inverses des racines des entiers jusqu a n =  120.89159693564747
2*sqrt(n) =  122.34377793741699
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.53918676568296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.034681355734

n =  3743
somme des inverses des racines des entiers jusqu a n =  120.90794212990656
2*sqrt(n) =  122.36012422353943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.555265850735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.05116124239164

n =  3744
somme des inverses des racines des entiers jusqu a n =  120.92428514116807
2*sqrt(n) =  122.37646832622684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.57134282372937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.06763890992558

n =  3745
somme des inverses des racines des entiers jusqu a n =  120.94062597030644
2*sqrt(n) =  122.39281024635393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.58741768550261
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.08411435922959
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n =  3746
somme des inverses des racines des entiers jusqu a n =  120.9569646181955
2*sqrt(n) =  122.40914998479485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.60349043689082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.10058759119687

n =  3747
somme des inverses des racines des entiers jusqu a n =  120.9733010857085
2*sqrt(n) =  122.42548754242313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.61956107872945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.11705860671997

n =  3748
somme des inverses des racines des entiers jusqu a n =  120.98963537371812
2*sqrt(n) =  122.44182292011173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.63562961185343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.13352740669089

n =  3749
somme des inverses des racines des entiers jusqu a n =  121.00596748309644
2*sqrt(n) =  122.45815611873306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.65169603709715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.14999399200101

n =  3750
somme des inverses des racines des entiers jusqu a n =  121.022297414715
2*sqrt(n) =  122.47448713915891
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.66776035529446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.16645836354114

n =  3751
somme des inverses des racines des entiers jusqu a n =  121.0386251694447
2*sqrt(n) =  122.49081598226049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.68382256727861
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.18292052220143

n =  3752
somme des inverses des racines des entiers jusqu a n =  121.0549507481559
2*sqrt(n) =  122.50714264890844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.69988267388233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.1993804688715

n =  3753
somme des inverses des racines des entiers jusqu a n =  121.07127415171838
2*sqrt(n) =  122.52346713997282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.7159406759378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.21583820444033

n =  3754
somme des inverses des racines des entiers jusqu a n =  121.08759538100132
2*sqrt(n) =  122.53978945632312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.73199657427668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.23229372979634

n =  3755
somme des inverses des racines des entiers jusqu a n =  121.10391443687334
2*sqrt(n) =  122.55610959882824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.74805036973001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.24874704582736

n =  3756
somme des inverses des racines des entiers jusqu a n =  121.12023132020246
2*sqrt(n) =  122.5724275683565
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.76410206312835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.26519815342057

n =  3757
somme des inverses des racines des entiers jusqu a n =  121.13654603185614
2*sqrt(n) =  122.58874336577564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.78015165530168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.28164705346262

n =  3758
somme des inverses des racines des entiers jusqu a n =  121.15285857270126
2*sqrt(n) =  122.60505699195282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.79619914707942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.29809374683953

n =  3759
somme des inverses des racines des entiers jusqu a n =  121.16916894360413
2*sqrt(n) =  122.62136844775465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.81224453929048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.31453823443672

n =  3760
somme des inverses des racines des entiers jusqu a n =  121.18547714543047
2*sqrt(n) =  122.63767773404713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.8282878327632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.3309805171391

n =  3761
somme des inverses des racines des entiers jusqu a n =  121.20178317904542
2*sqrt(n) =  122.65398485169571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.84432902832538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.34742059583087

n =  3762
somme des inverses des racines des entiers jusqu a n =  121.21808704531357
2*sqrt(n) =  122.67028980156523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.86036812680426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.36385847139572

n =  3763
somme des inverses des racines des entiers jusqu a n =  121.23438874509891
2*sqrt(n) =  122.68659258452001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.87640512902658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.38029414471673

n =  3764
somme des inverses des racines des entiers jusqu a n =  121.25068827926488
2*sqrt(n) =  122.70289320142373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.89244003581847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.39672761667636

n =  3765
somme des inverses des racines des entiers jusqu a n =  121.26698564867432
2*sqrt(n) =  122.71919165313956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.90847284800557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.41315888815656

n =  3766
somme des inverses des racines des entiers jusqu a n =  121.28328085418953
2*sqrt(n) =  122.73548794053006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.92450356641297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.4295879600386

n =  3767
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somme des inverses des racines des entiers jusqu a n =  121.2995738966722
2*sqrt(n) =  122.75178206445722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.94053219186517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.44601483320324

n =  3768
somme des inverses des racines des entiers jusqu a n =  121.31586477698347
2*sqrt(n) =  122.76807402578245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.9565587251862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.46243950853058

n =  3769
somme des inverses des racines des entiers jusqu a n =  121.33215349598392
2*sqrt(n) =  122.78436382536663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.9725831671995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.47886198690018

n =  3770
somme des inverses des racines des entiers jusqu a n =  121.34844005453353
2*sqrt(n) =  122.80065146407001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  111.98860551872797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.49528226919104

n =  3771
somme des inverses des racines des entiers jusqu a n =  121.36472445349173
2*sqrt(n) =  122.81693694275232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.00462578059397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.5117003562815

n =  3772
somme des inverses des racines des entiers jusqu a n =  121.38100669371738
2*sqrt(n) =  122.8332202622727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.02064395361936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.52811624904938

n =  3773
somme des inverses des racines des entiers jusqu a n =  121.39728677606875
2*sqrt(n) =  122.84950142348971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.0366600386254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.54452994837186

n =  3774
somme des inverses des racines des entiers jusqu a n =  121.41356470140357
2*sqrt(n) =  122.86578042726136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.05267403643286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.5609414551256

n =  3775
somme des inverses des racines des entiers jusqu a n =  121.429840470579
2*sqrt(n) =  122.88205727444507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.06868594786195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.57735077018663

n =  3776
somme des inverses des racines des entiers jusqu a n =  121.4461140844516
2*sqrt(n) =  122.89833196589773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.08469577373234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.59375789443041

n =  3777
somme des inverses des racines des entiers jusqu a n =  121.46238554387739
2*sqrt(n) =  122.91460450247563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.10070351486317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.61016282873184
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n =  3778
somme des inverses des racines des entiers jusqu a n =  121.47865484971183
2*sqrt(n) =  122.93087488503447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.11670917207302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.6265655739652

n =  3779
somme des inverses des racines des entiers jusqu a n =  121.4949220028098
2*sqrt(n) =  122.94714311442947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.13271274617998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.6429661310042

n =  3780
somme des inverses des racines des entiers jusqu a n =  121.51118700402562
2*sqrt(n) =  122.96340919151518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.14871423800156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.65936450072199

n =  3781
somme des inverses des racines des entiers jusqu a n =  121.52744985421302
2*sqrt(n) =  122.97967311714567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.16471364835473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.67576068399113

n =  3782
somme des inverses des racines des entiers jusqu a n =  121.5437105542252
2*sqrt(n) =  122.99593489217439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.180710978056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.69215468168359

n =  3783
somme des inverses des racines des entiers jusqu a n =  121.55996910491479
2*sqrt(n) =  123.01219451745425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.19670622792123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.70854649467076

n =  3784
somme des inverses des racines des entiers jusqu a n =  121.57622550713384
2*sqrt(n) =  123.02845199383759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.21269939876584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.72493612382347

n =  3785
somme des inverses des racines des entiers jusqu a n =  121.59247976173387
2*sqrt(n) =  123.0447073221762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.22869049140465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.74132357001196

n =  3786
somme des inverses des racines des entiers jusqu a n =  121.60873186956579
2*sqrt(n) =  123.06096050332128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.24467950665202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.75770883410591

n =  3787
somme des inverses des racines des entiers jusqu a n =  121.62498183147999
2*sqrt(n) =  123.07721153812349
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.2606664453217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.77409191697438

n =  3788
somme des inverses des racines des entiers jusqu a n =  121.64122964832627
2*sqrt(n) =  123.09346042743294
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.27665130822697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.79047281948593

n =  3789
somme des inverses des racines des entiers jusqu a n =  121.65747532095389
2*sqrt(n) =  123.10970717209915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.29263409618055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.80685154250844

n =  3790
somme des inverses des racines des entiers jusqu a n =  121.67371885021154
2*sqrt(n) =  123.12595177297108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.30861480999461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.82322808690931

n =  3791
somme des inverses des racines des entiers jusqu a n =  121.68996023694736
2*sqrt(n) =  123.14219423089715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.32459345048082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.83960245355532

n =  3792
somme des inverses des racines des entiers jusqu a n =  121.7061994820089
2*sqrt(n) =  123.15843454672522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.34057001845031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.85597464331266

n =  3793
somme des inverses des racines des entiers jusqu a n =  121.72243658624319
2*sqrt(n) =  123.17467272130257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.35654451471368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.87234465704702

n =  3794
somme des inverses des racines des entiers jusqu a n =  121.73867155049668
2*sqrt(n) =  123.19090875547595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.37251694008098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.88871249562342

n =  3795
somme des inverses des racines des entiers jusqu a n =  121.75490437561527
2*sqrt(n) =  123.20714265009151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.38848729536178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.90507815990637

n =  3796
somme des inverses des racines des entiers jusqu a n =  121.7711350624443
2*sqrt(n) =  123.2233744059949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.40445558136508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.9214416507598

n =  3797
somme des inverses des racines des entiers jusqu a n =  121.78736361182855
2*sqrt(n) =  123.23960402403117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.42042179889937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.93780296904706

n =  3798
somme des inverses des racines des entiers jusqu a n =  121.80359002461226
2*sqrt(n) =  123.25583150504482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.4363859487726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.95416211563094

n =  3799
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somme des inverses des racines des entiers jusqu a n =  121.8198143016391
2*sqrt(n) =  123.27205684987982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.4523480317922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.97051909137363

n =  3800
somme des inverses des racines des entiers jusqu a n =  121.83603644375218
2*sqrt(n) =  123.28828005937953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.46830804876505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  127.98687389713676

n =  3801
somme des inverses des racines des entiers jusqu a n =  121.85225645179406
2*sqrt(n) =  123.30450113438681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.48426600049757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.00322653378143

n =  3802
somme des inverses des racines des entiers jusqu a n =  121.86847432660676
2*sqrt(n) =  123.32072007574396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.50022188779559
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.01957700216815

n =  3803
somme des inverses des racines des entiers jusqu a n =  121.88469006903172
2*sqrt(n) =  123.3369368842927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.51617571146444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.03592530315683

n =  3804
somme des inverses des racines des entiers jusqu a n =  121.90090367990986
2*sqrt(n) =  123.3531515608742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.53212747230891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.05227143760683

n =  3805
somme des inverses des racines des entiers jusqu a n =  121.91711516008152
2*sqrt(n) =  123.36936410632909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.5480771711333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.06861540637698

n =  3806
somme des inverses des racines des entiers jusqu a n =  121.9333245103865
2*sqrt(n) =  123.38557452149745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.56402480874135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.08495721032548

n =  3807
somme des inverses des racines des entiers jusqu a n =  121.94953173166404
2*sqrt(n) =  123.4017828072188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.5799703859363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.10129685031004

n =  3808
somme des inverses des racines des entiers jusqu a n =  121.96573682475284
2*sqrt(n) =  123.4179889643321
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.59591390352085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.11763432718772

n =  3809
somme des inverses des racines des entiers jusqu a n =  121.98193979049104
2*sqrt(n) =  123.43419299367578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.61185536229718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.13396964181507
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n =  3810
somme des inverses des racines des entiers jusqu a n =  121.99814062971625
2*sqrt(n) =  123.45039489608772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.62779476306697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.15030279504808

n =  3811
somme des inverses des racines des entiers jusqu a n =  122.0143393432655
2*sqrt(n) =  123.46659467240522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.64373210663136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.16663378774214

n =  3812
somme des inverses des racines des entiers jusqu a n =  122.0305359319753
2*sqrt(n) =  123.48279232346505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.65966739379095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.1829626207521

n =  3813
somme des inverses des racines des entiers jusqu a n =  122.04673039668158
2*sqrt(n) =  123.49898785010345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.6756006253459
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.19928929493224

n =  3814
somme des inverses des racines des entiers jusqu a n =  122.06292273821975
2*sqrt(n) =  123.51518125315609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.69153180209572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.21561381113628

n =  3815
somme des inverses des racines des entiers jusqu a n =  122.07911295742467
2*sqrt(n) =  123.53137253345807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.70746092483952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.23193617021735

n =  3816
somme des inverses des racines des entiers jusqu a n =  122.09530105513062
2*sqrt(n) =  123.54756169184401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.72338799437584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.2482563730281

n =  3817
somme des inverses des racines des entiers jusqu a n =  122.11148703217138
2*sqrt(n) =  123.5637487291479
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.73931301150267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.26457442042053

n =  3818
somme des inverses des racines des entiers jusqu a n =  122.12767088938016
2*sqrt(n) =  123.57993364620326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.75523597701758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.28089031324612

n =  3819
somme des inverses des racines des entiers jusqu a n =  122.14385262758961
2*sqrt(n) =  123.596116443843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.7711568917175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.29720405235577

n =  3820
somme des inverses des racines des entiers jusqu a n =  122.16003224763188
2*sqrt(n) =  123.61229712289955
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.78707575639893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.31351563859985

n =  3821
somme des inverses des racines des entiers jusqu a n =  122.17620975033853
2*sqrt(n) =  123.62847568420473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.80299257185783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.32982507282819

n =  3822
somme des inverses des racines des entiers jusqu a n =  122.1923851365406
2*sqrt(n) =  123.64465212858985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.81890733888964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.34613235588998

n =  3823
somme des inverses des racines des entiers jusqu a n =  122.20855840706857
2*sqrt(n) =  123.66082645688569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.83482005828928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.3624374886339

n =  3824
somme des inverses des racines des entiers jusqu a n =  122.2247295627524
2*sqrt(n) =  123.67699866992245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.85073073085117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.37874047190812

n =  3825
somme des inverses des racines des entiers jusqu a n =  122.24089860442149
2*sqrt(n) =  123.69316876852982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.86663935736918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.39504130656013

n =  3826
somme des inverses des racines des entiers jusqu a n =  122.2570655329047
2*sqrt(n) =  123.70933675353692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.88254593863672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.41133999343702

n =  3827
somme des inverses des racines des entiers jusqu a n =  122.27323034903036
2*sqrt(n) =  123.72550262577235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.89845047544665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.4276365333852

n =  3828
somme des inverses des racines des entiers jusqu a n =  122.28939305362624
2*sqrt(n) =  123.74166638606415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.91435296859132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.4439309272506

n =  3829
somme des inverses des racines des entiers jusqu a n =  122.30555364751959
2*sqrt(n) =  123.75782803523985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.93025341886256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.4602231758785

n =  3830
somme des inverses des racines des entiers jusqu a n =  122.3217121315371
2*sqrt(n) =  123.77398757412641
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.94615182705172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.47651328011375

n =  3831
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somme des inverses des racines des entiers jusqu a n =  122.33786850650493
2*sqrt(n) =  123.79014500355026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.96204819394961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.4928012408006

n =  3832
somme des inverses des racines des entiers jusqu a n =  122.35402277324872
2*sqrt(n) =  123.80630032433729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.97794252034655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.50908705878265

n =  3833
somme des inverses des racines des entiers jusqu a n =  122.37017493259353
2*sqrt(n) =  123.82245353731285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  112.9938348070323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.52537073490313

n =  3834
somme des inverses des racines des entiers jusqu a n =  122.38632498536391
2*sqrt(n) =  123.83860464330176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.00972505479618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.54165227000456

n =  3835
somme des inverses des racines des entiers jusqu a n =  122.40247293238387
2*sqrt(n) =  123.85475364312829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.02561326442694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.55793166492896

n =  3836
somme des inverses des racines des entiers jusqu a n =  122.41861877447688
2*sqrt(n) =  123.87090053761618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.04149943671285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.57420892051783

n =  3837
somme des inverses des racines des entiers jusqu a n =  122.43476251246588
2*sqrt(n) =  123.88704532758864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.0573835724417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.5904840376121

n =  3838
somme des inverses des racines des entiers jusqu a n =  122.45090414717326
2*sqrt(n) =  123.90318801386832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.07326567240068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.60675701705213

n =  3839
somme des inverses des racines des entiers jusqu a n =  122.46704367942088
2*sqrt(n) =  123.91932859727736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.08914573737657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.62302785967776

n =  3840
somme des inverses des racines des entiers jusqu a n =  122.48318111003007
2*sqrt(n) =  123.93546707863734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.10502376815558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.63929656632823

n =  3841
somme des inverses des racines des entiers jusqu a n =  122.49931643982164
2*sqrt(n) =  123.95160345876934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.12089976552345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.65556313784228
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n =  3842
somme des inverses des racines des entiers jusqu a n =  122.51544966961582
2*sqrt(n) =  123.96773773849388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.13677373026539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.67182757505813

n =  3843
somme des inverses des racines des entiers jusqu a n =  122.53158080023235
2*sqrt(n) =  123.98386991863094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.15264566316611
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.68808987881337

n =  3844
somme des inverses des racines des entiers jusqu a n =  122.54770983249041
2*sqrt(n) =  124.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.16851556500983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.70435004994508

n =  3845
somme des inverses des racines des entiers jusqu a n =  122.56383676720867
2*sqrt(n) =  124.01612798341996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.18438343658022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.72060808928984

n =  3846
somme des inverses des racines des entiers jusqu a n =  122.57996160520526
2*sqrt(n) =  124.03225386970922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.20024927866051
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.73686399768357

n =  3847
somme des inverses des racines des entiers jusqu a n =  122.59608434729776
2*sqrt(n) =  124.04837765968566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.21611309203337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.7531177759618

n =  3848
somme des inverses des racines des entiers jusqu a n =  122.61220499430324
2*sqrt(n) =  124.06449935416659
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.231974877481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.7693694249594

n =  3849
somme des inverses des racines des entiers jusqu a n =  122.62832354703824
2*sqrt(n) =  124.0806189539688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.24783463578505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.78561894551066

n =  3850
somme des inverses des racines des entiers jusqu a n =  122.64444000631875
2*sqrt(n) =  124.09673645990857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.26369236772675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.80186633844949

n =  3851
somme des inverses des racines des entiers jusqu a n =  122.66055437296025
2*sqrt(n) =  124.11285187280163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.27954807408672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.81811160460907

n =  3852
somme des inverses des racines des entiers jusqu a n =  122.67666664777768
2*sqrt(n) =  124.1289651934632
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.29540175564519
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.8343547448222

n =  3853
somme des inverses des racines des entiers jusqu a n =  122.69277683158545
2*sqrt(n) =  124.14507642270796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.3112534131818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.85059575992102

n =  3854
somme des inverses des racines des entiers jusqu a n =  122.70888492519745
2*sqrt(n) =  124.16118556135005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.32710304747575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.8668346507372

n =  3855
somme des inverses des racines des entiers jusqu a n =  122.72499092942705
2*sqrt(n) =  124.1772926102031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.34295065930567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.8830714181018

n =  3856
somme des inverses des racines des entiers jusqu a n =  122.74109484508708
2*sqrt(n) =  124.1933975700802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.35879624944977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.8993060628454

n =  3857
somme des inverses des racines des entiers jusqu a n =  122.75719667298982
2*sqrt(n) =  124.2095004417939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.37463981868568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.915538585798

n =  3858
somme des inverses des racines des entiers jusqu a n =  122.77329641394708
2*sqrt(n) =  124.22560122615627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.3904813677906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.9317689877891

n =  3859
somme des inverses des racines des entiers jusqu a n =  122.7893940687701
2*sqrt(n) =  124.24169992397883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.4063208975412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.94799726964763

n =  3860
somme des inverses des racines des entiers jusqu a n =  122.80548963826959
2*sqrt(n) =  124.25779653607253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.42215840871366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.96422343220198

n =  3861
somme des inverses des racines des entiers jusqu a n =  122.82158312325576
2*sqrt(n) =  124.27389106324787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.43799390208365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.98044747627998

n =  3862
somme des inverses des racines des entiers jusqu a n =  122.8376745245383
2*sqrt(n) =  124.28998350631478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.45382737842633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  128.99666940270902

n =  3863
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somme des inverses des racines des entiers jusqu a n =  122.85376384292636
2*sqrt(n) =  124.30607386608267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.4696588385164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.0128892123158

n =  3864
somme des inverses des racines des entiers jusqu a n =  122.86985107922855
2*sqrt(n) =  124.32216214336043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.48548828312802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.02910690592662

n =  3865
somme des inverses des racines des entiers jusqu a n =  122.885936234253
2*sqrt(n) =  124.33824833895642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.5013157130349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.04532248436718

n =  3866
somme des inverses des racines des entiers jusqu a n =  122.90201930880727
2*sqrt(n) =  124.35433245367851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.51714112901024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.06153594846265

n =  3867
somme des inverses des racines des entiers jusqu a n =  122.91810030369844
2*sqrt(n) =  124.370414488334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.5329645318267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.07774729903764

n =  3868
somme des inverses des racines des entiers jusqu a n =  122.93417921973304
2*sqrt(n) =  124.3864944437297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.54878592225653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.0939565369163

n =  3869
somme des inverses des racines des entiers jusqu a n =  122.9502560577171
2*sqrt(n) =  124.4025723206719
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.56460530107138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.11016366292213

n =  3870
somme des inverses des racines des entiers jusqu a n =  122.96633081845611
2*sqrt(n) =  124.41864811996632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.58042266904249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.12636867787822

n =  3871
somme des inverses des racines des entiers jusqu a n =  122.98240350275506
2*sqrt(n) =  124.43472184241824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.5962380269406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.14257158260705

n =  3872
somme des inverses des racines des entiers jusqu a n =  122.99847411141839
2*sqrt(n) =  124.45079348883236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.6120513755359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.1587723779306

n =  3873
somme des inverses des racines des entiers jusqu a n =  123.01454264525005
2*sqrt(n) =  124.46686306001288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.62786271559814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.17497106467025
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n =  3874
somme des inverses des racines des entiers jusqu a n =  123.03060910505344
2*sqrt(n) =  124.48293055676348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.64367204789654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.19116764364693

n =  3875
somme des inverses des racines des entiers jusqu a n =  123.0466734916315
2*sqrt(n) =  124.49899597988733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.65947937319989
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.20736211568104

n =  3876
somme des inverses des racines des entiers jusqu a n =  123.06273580578657
2*sqrt(n) =  124.51505933018704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.67528469227639
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.22355448159237

n =  3877
somme des inverses des racines des entiers jusqu a n =  123.07879604832056
2*sqrt(n) =  124.53112060846478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.69108800589385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.23974474220023

n =  3878
somme des inverses des racines des entiers jusqu a n =  123.09485422003478
2*sqrt(n) =  124.54717981552211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.70688931481952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.2559328983234

n =  3879
somme des inverses des racines des entiers jusqu a n =  123.11091032173007
2*sqrt(n) =  124.56323695216017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.7226886198202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.27211895078014

n =  3880
somme des inverses des racines des entiers jusqu a n =  123.12696435420678
2*sqrt(n) =  124.57929201917949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.73848592166217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.28830290038815

n =  3881
somme des inverses des racines des entiers jusqu a n =  123.14301631826467
2*sqrt(n) =  124.59534501738017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.75428122111127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.3044847479646

n =  3882
somme des inverses des racines des entiers jusqu a n =  123.15906621470305
2*sqrt(n) =  124.61139594756172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.77007451893277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.3206644943262

n =  3883
somme des inverses des racines des entiers jusqu a n =  123.17511404432068
2*sqrt(n) =  124.62744481052317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.78586581589151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.336842140289

n =  3884
somme des inverses des racines des entiers jusqu a n =  123.19115980791582
2*sqrt(n) =  124.64349160706307
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.80165511275186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.35301768666866

n =  3885
somme des inverses des racines des entiers jusqu a n =  123.20720350628622
2*sqrt(n) =  124.65953633797938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.81744241027764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.36919113428024

n =  3886
somme des inverses des racines des entiers jusqu a n =  123.2232451402291
2*sqrt(n) =  124.6755790040696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.83322770923222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.38536248393828

n =  3887
somme des inverses des racines des entiers jusqu a n =  123.23928471054118
2*sqrt(n) =  124.69161960613071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.84901101037849
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.40153173645683

n =  3888
somme des inverses des racines des entiers jusqu a n =  123.25532221801868
2*sqrt(n) =  124.70765814495917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.86479231447885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.41769889264933

n =  3889
somme des inverses des racines des entiers jusqu a n =  123.27135766345727
2*sqrt(n) =  124.72369462135092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.88057162229518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.4338639533288

n =  3890
somme des inverses des racines des entiers jusqu a n =  123.28739104765214
2*sqrt(n) =  124.73972903610141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.89634893458893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.45002691930765

n =  3891
somme des inverses des racines des entiers jusqu a n =  123.30342237139796
2*sqrt(n) =  124.75576139000555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.912124252121
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.46618779139783

n =  3892
somme des inverses des racines des entiers jusqu a n =  123.31945163548889
2*sqrt(n) =  124.77179168385777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.92789757565188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.48234657041073

n =  3893
somme des inverses des racines des entiers jusqu a n =  123.3354788407186
2*sqrt(n) =  124.78781991845197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.94366890594152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.4985032571572

n =  3894
somme des inverses des racines des entiers jusqu a n =  123.35150398788019
2*sqrt(n) =  124.80384609458156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.95943824374942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.5146578524476

n =  3895
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somme des inverses des racines des entiers jusqu a n =  123.36752707776634
2*sqrt(n) =  124.8198702130394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.97520558983454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.5308103570918

n =  3896
somme des inverses des racines des entiers jusqu a n =  123.38354811116913
2*sqrt(n) =  124.83589227461788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  113.99097094495545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.54696077189908

n =  3897
somme des inverses des racines des entiers jusqu a n =  123.3995670888802
2*sqrt(n) =  124.85191228010886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.00673430987015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.56310909767822

n =  3898
somme des inverses des racines des entiers jusqu a n =  123.41558401169065
2*sqrt(n) =  124.86793023030373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.02249568533622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.57925533523746

n =  3899
somme des inverses des racines des entiers jusqu a n =  123.43159888039109
2*sqrt(n) =  124.88394612599332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.03825507211073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.5953994853846

n =  3900
somme des inverses des racines des entiers jusqu a n =  123.4476116957716
2*sqrt(n) =  124.89995996796796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.05401247095023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.61154154892682

n =  3901
somme des inverses des racines des entiers jusqu a n =  123.46362245862177
2*sqrt(n) =  124.91597175701753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.06976788261088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.62768152667084

n =  3902
somme des inverses des racines des entiers jusqu a n =  123.47963116973068
2*sqrt(n) =  124.93198149393133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.08552130784828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.64381941942287

n =  3903
somme des inverses des racines des entiers jusqu a n =  123.4956378298869
2*sqrt(n) =  124.94798917949821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.1012727474176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.65995522798852

n =  3904
somme des inverses des racines des entiers jusqu a n =  123.51164243987851
2*sqrt(n) =  124.96399481450646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.11702220207349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.67608895317295

n =  3905
somme des inverses des racines des entiers jusqu a n =  123.52764500049308
2*sqrt(n) =  124.97999839974395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.13276967257016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.69222059578084
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n =  3906
somme des inverses des racines des entiers jusqu a n =  123.54364551251766
2*sqrt(n) =  124.99599993599796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.14851515966134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.70835015661626

n =  3907
somme des inverses des racines des entiers jusqu a n =  123.55964397673881
2*sqrt(n) =  125.01199942405529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.16425866410023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.72447763648282

n =  3908
somme des inverses des racines des entiers jusqu a n =  123.57564039394259
2*sqrt(n) =  125.02799686470227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.1800001866396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.74060303618361

n =  3909
somme des inverses des racines des entiers jusqu a n =  123.59163476491455
2*sqrt(n) =  125.04399225872469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.19573972803174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.75672635652117

n =  3910
somme des inverses des racines des entiers jusqu a n =  123.60762709043972
2*sqrt(n) =  125.05998560690786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.21147728902845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.77284759829757

n =  3911
somme des inverses des racines des entiers jusqu a n =  123.62361737130267
2*sqrt(n) =  125.07597691003656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.22721287038105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.78896676231432

n =  3912
somme des inverses des racines des entiers jusqu a n =  123.63960560828745
2*sqrt(n) =  125.09196616889511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.2429464728404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.80508384937247

n =  3913
somme des inverses des racines des entiers jusqu a n =  123.6555918021776
2*sqrt(n) =  125.1079533842673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.2586780971569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.82119886027252

n =  3914
somme des inverses des racines des entiers jusqu a n =  123.67157595375615
2*sqrt(n) =  125.12393855693642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.2744077440804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.83731179581443

n =  3915
somme des inverses des racines des entiers jusqu a n =  123.68755806380565
2*sqrt(n) =  125.13992168768526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.29013541436036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.8534226567977

n =  3916
somme des inverses des racines des entiers jusqu a n =  123.70353813310817
2*sqrt(n) =  125.15590277729612
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.30586110874572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.8695314440213

n =  3917
somme des inverses des racines des entiers jusqu a n =  123.71951616244523
2*sqrt(n) =  125.1718818265508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.32158482798498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.8856381582837

n =  3918
somme des inverses des racines des entiers jusqu a n =  123.73549215259789
2*sqrt(n) =  125.1878588362306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.33730657282612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.90174280038283

n =  3919
somme des inverses des racines des entiers jusqu a n =  123.75146610434669
2*sqrt(n) =  125.20383380711631
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.35302634401668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.91784537111613

n =  3920
somme des inverses des racines des entiers jusqu a n =  123.7674380184717
2*sqrt(n) =  125.21980673998823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.36874414230373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.93394587128049

n =  3921
somme des inverses des racines des entiers jusqu a n =  123.78340789575245
2*sqrt(n) =  125.23577763562615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.38445996843382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.9500443016723

n =  3922
somme des inverses des racines des entiers jusqu a n =  123.799375736968
2*sqrt(n) =  125.25174649480941
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.40017382315312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.96614066308754

n =  3923
somme des inverses des racines des entiers jusqu a n =  123.81534154289692
2*sqrt(n) =  125.26771331831678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.41588570720724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.98223495632155

n =  3924
somme des inverses des racines des entiers jusqu a n =  123.83130531431726
2*sqrt(n) =  125.2836781069266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.43159562134136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  129.99832718216922

n =  3925
somme des inverses des racines des entiers jusqu a n =  123.84726705200661
2*sqrt(n) =  125.29964086141668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.44730356630018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.01441734142492

n =  3926
somme des inverses des racines des entiers jusqu a n =  123.86322675674204
2*sqrt(n) =  125.31560158256433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.46300954282792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.0305054348825

n =  3927
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somme des inverses des racines des entiers jusqu a n =  123.87918442930011
2*sqrt(n) =  125.33156027114639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.47871355166838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.04659146333537

n =  3928
somme des inverses des racines des entiers jusqu a n =  123.89514007045693
2*sqrt(n) =  125.34751692793918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.49441559356484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.06267542757635

n =  3929
somme des inverses des racines des entiers jusqu a n =  123.91109368098807
2*sqrt(n) =  125.36347155371855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.5101156692601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.07875732839778

n =  3930
somme des inverses des racines des entiers jusqu a n =  123.92704526166864
2*sqrt(n) =  125.37942414925983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.52581377949653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.09483716659147

n =  3931
somme des inverses des racines des entiers jusqu a n =  123.94299481327323
2*sqrt(n) =  125.39537471533788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.54150992501603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.1109149429488

n =  3932
somme des inverses des racines des entiers jusqu a n =  123.95894233657597
2*sqrt(n) =  125.41132325272706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.55720410656001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.12699065826058

n =  3933
somme des inverses des racines des entiers jusqu a n =  123.97488783235048
2*sqrt(n) =  125.42726976220123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.57289632486943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.14306431331713

n =  3934
somme des inverses des racines des entiers jusqu a n =  123.99083130136987
2*sqrt(n) =  125.44321424453376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.58858658068476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.15913590890827

n =  3935
somme des inverses des racines des entiers jusqu a n =  124.00677274440677
2*sqrt(n) =  125.45915670049756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.60427487474607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.1752054458233

n =  3936
somme des inverses des racines des entiers jusqu a n =  124.02271216223336
2*sqrt(n) =  125.47509713086498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.61996120779284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.19127292485103

n =  3937
somme des inverses des racines des entiers jusqu a n =  124.03864955562128
2*sqrt(n) =  125.49103553640794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.6356455805642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.2073383467798
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n =  3938
somme des inverses des racines des entiers jusqu a n =  124.05458492534169
2*sqrt(n) =  125.50697191789786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.65132799379879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.2234017123974

n =  3939
somme des inverses des racines des entiers jusqu a n =  124.07051827216526
2*sqrt(n) =  125.52290627610564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.66700844823474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.2394630224911

n =  3940
somme des inverses des racines des entiers jusqu a n =  124.0864495968622
2*sqrt(n) =  125.53883861180172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.68268694460974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.25552227784772

n =  3941
somme des inverses des racines des entiers jusqu a n =  124.10237890020218
2*sqrt(n) =  125.55476892575606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.69836348366107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.27157947925357

n =  3942
somme des inverses des racines des entiers jusqu a n =  124.11830618295443
2*sqrt(n) =  125.5706972187381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.71403806612544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.28763462749444

n =  3943
somme des inverses des racines des entiers jusqu a n =  124.13423144588766
2*sqrt(n) =  125.5866234915168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.72971069273918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.3036877233556

n =  3944
somme des inverses des racines des entiers jusqu a n =  124.15015468977013
2*sqrt(n) =  125.60254774486066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.74538136423814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.3197387676219

n =  3945
somme des inverses des racines des entiers jusqu a n =  124.16607591536956
2*sqrt(n) =  125.61846997953764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.76105008135767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.33578776107763

n =  3946
somme des inverses des racines des entiers jusqu a n =  124.18199512345323
2*sqrt(n) =  125.63439019631528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.77671684483272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.35183470450656

n =  3947
somme des inverses des racines des entiers jusqu a n =  124.19791231478791
2*sqrt(n) =  125.65030839596058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.79238165539773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.36787959869199

n =  3948
somme des inverses des racines des entiers jusqu a n =  124.21382749013989
2*sqrt(n) =  125.66622457924007
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.8080445137867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.38392244441675

n =  3949
somme des inverses des racines des entiers jusqu a n =  124.22974065027498
2*sqrt(n) =  125.6821387469198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.82370542073316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.39996324246312

n =  3950
somme des inverses des racines des entiers jusqu a n =  124.2456517959585
2*sqrt(n) =  125.69805089976535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.83936437697018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.41600199361292

n =  3951
somme des inverses des racines des entiers jusqu a n =  124.26156092795527
2*sqrt(n) =  125.71396103854178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.8550213832304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.43203869864746

n =  3952
somme des inverses des racines des entiers jusqu a n =  124.27746804702967
2*sqrt(n) =  125.72986916401369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.87067644024594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.44807335834756

n =  3953
somme des inverses des racines des entiers jusqu a n =  124.29337315394555
2*sqrt(n) =  125.7457752769452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.88632954874852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.46410597349353

n =  3954
somme des inverses des racines des entiers jusqu a n =  124.30927624946631
2*sqrt(n) =  125.76167937809991
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.90198070946936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.4801365448652

n =  3955
somme des inverses des racines des entiers jusqu a n =  124.32517733435483
2*sqrt(n) =  125.777581468241
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.91762992313924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.49616507324185

n =  3956
somme des inverses des racines des entiers jusqu a n =  124.34107640937356
2*sqrt(n) =  125.7934815481311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.9332771904885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.5121915594024

n =  3957
somme des inverses des racines des entiers jusqu a n =  124.35697347528442
2*sqrt(n) =  125.80937961853242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.948922512247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.5282160041251

n =  3958
somme des inverses des racines des entiers jusqu a n =  124.37286853284887
2*sqrt(n) =  125.82527568020664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.96456588914414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.5442384081879

n =  3959
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somme des inverses des racines des entiers jusqu a n =  124.3887615828279
2*sqrt(n) =  125.84116973391498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.98020732190885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.56025877236803

n =  3960
somme des inverses des racines des entiers jusqu a n =  124.404652625982
2*sqrt(n) =  125.85706178041819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  114.99584681126967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.57627709744244

n =  3961
somme des inverses des racines des entiers jusqu a n =  124.42054166307118
2*sqrt(n) =  125.8729518204765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.01148435795459
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.59229338418746

n =  3962
somme des inverses des racines des entiers jusqu a n =  124.43642869485498
2*sqrt(n) =  125.88883985484972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.02711996269123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.60830763337896

n =  3963
somme des inverses des racines des entiers jusqu a n =  124.45231372209247
2*sqrt(n) =  125.90472588429714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.0427536262067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.62431984579234

n =  3964
somme des inverses des racines des entiers jusqu a n =  124.46819674554222
2*sqrt(n) =  125.92060990957755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.05838534922768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.64033002220248

n =  3965
somme des inverses des racines des entiers jusqu a n =  124.48407776596233
2*sqrt(n) =  125.93649193144932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.07401513248038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.6563381633838

n =  3966
somme des inverses des racines des entiers jusqu a n =  124.49995678411042
2*sqrt(n) =  125.95237195067031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.08964297669057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.6723442701102

n =  3967
somme des inverses des racines des entiers jusqu a n =  124.51583380074365
2*sqrt(n) =  125.96824996799789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.10526888258357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.68834834315504

n =  3968
somme des inverses des racines des entiers jusqu a n =  124.53170881661867
2*sqrt(n) =  125.98412598418898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.12089285088422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.70435038329134

n =  3969
somme des inverses des racines des entiers jusqu a n =  124.54758183249169
2*sqrt(n) =  126.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.13651488231694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.72035039129153
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n =  3970
somme des inverses des racines des entiers jusqu a n =  124.5634528491184
2*sqrt(n) =  126.01587201618692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.15213497760568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.73634836792752

n =  3971
somme des inverses des racines des entiers jusqu a n =  124.57932186725408
2*sqrt(n) =  126.0317420335052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.16775313747395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.7523443139708

n =  3972
somme des inverses des racines des entiers jusqu a n =  124.59518888765346
2*sqrt(n) =  126.04761005270984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.18336936264478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.76833823019237

n =  3973
somme des inverses des racines des entiers jusqu a n =  124.61105391107085
2*sqrt(n) =  126.0634760745554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.1989836538408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.78433011736269

n =  3974
somme des inverses des racines des entiers jusqu a n =  124.62691693826005
2*sqrt(n) =  126.07934009979589
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.21459601178412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.80031997625176

n =  3975
somme des inverses des racines des entiers jusqu a n =  124.64277796997442
2*sqrt(n) =  126.09520212918491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.23020643719649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.81630780762913

n =  3976
somme des inverses des racines des entiers jusqu a n =  124.65863700696681
2*sqrt(n) =  126.11106216347557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.2458149307991
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.83229361226378

n =  3977
somme des inverses des racines des entiers jusqu a n =  124.67449404998962
2*sqrt(n) =  126.1269202034205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.26142149331281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.84827739092432

n =  3978
somme des inverses des racines des entiers jusqu a n =  124.69034909979477
2*sqrt(n) =  126.14277624977183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.27702612545792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.8642591443788

n =  3979
somme des inverses des racines des entiers jusqu a n =  124.70620215713372
2*sqrt(n) =  126.15863030328127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.29262882795435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.88023887339472

n =  3980
somme des inverses des racines des entiers jusqu a n =  124.72205322275742
2*sqrt(n) =  126.17448236470004
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.30822960152156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.89621657873928

n =  3981
somme des inverses des racines des entiers jusqu a n =  124.7379022974164
2*sqrt(n) =  126.19033243477885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.32382844687854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.912192261179

n =  3982
somme des inverses des racines des entiers jusqu a n =  124.75374938186069
2*sqrt(n) =  126.206180514268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.33942536474386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.92816592148006

n =  3983
somme des inverses des racines des entiers jusqu a n =  124.76959447683984
2*sqrt(n) =  126.22202660391727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.35502035583563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.94413756040808

n =  3984
somme des inverses des racines des entiers jusqu a n =  124.78543758310295
2*sqrt(n) =  126.237870704476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.3706134208715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.96010717872824

n =  3985
somme des inverses des racines des entiers jusqu a n =  124.80127870139864
2*sqrt(n) =  126.25371281669304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.38620456056873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.97607477720518

n =  3986
somme des inverses des racines des entiers jusqu a n =  124.81711783247508
2*sqrt(n) =  126.26955294131677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.40179377564404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  130.99204035660313

n =  3987
somme des inverses des racines des entiers jusqu a n =  124.83295497707994
2*sqrt(n) =  126.28539107909513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.41738106681379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.0080039176858

n =  3988
somme des inverses des racines des entiers jusqu a n =  124.84879013596043
2*sqrt(n) =  126.30122723077555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.43296643479383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.02396546121642

n =  3989
somme des inverses des racines des entiers jusqu a n =  124.8646233098633
2*sqrt(n) =  126.31706139710502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.44854988029962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.03992498795773

n =  3990
somme des inverses des racines des entiers jusqu a n =  124.88045449953484
2*sqrt(n) =  126.33289357883005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.46413140404614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.055882498672

n =  3991
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somme des inverses des racines des entiers jusqu a n =  124.89628370572085
2*sqrt(n) =  126.34872377669669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.47971100674796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.07183799412104

n =  3992
somme des inverses des racines des entiers jusqu a n =  124.91211092916667
2*sqrt(n) =  126.36455199145051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.49528868911916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.08779147506618

n =  3993
somme des inverses des racines des entiers jusqu a n =  124.92793617061719
2*sqrt(n) =  126.38037822383663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.51086445187342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.10374294226824

n =  3994
somme des inverses des racines des entiers jusqu a n =  124.94375943081681
2*sqrt(n) =  126.39620247459969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.52643829572393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.11969239648755

n =  3995
somme des inverses des racines des entiers jusqu a n =  124.95958071050948
2*sqrt(n) =  126.41202474448386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.54201022138349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.13563983848405

n =  3996
somme des inverses des racines des entiers jusqu a n =  124.97540001043869
2*sqrt(n) =  126.42784503423286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.55758022956442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.1515852690171

n =  3997
somme des inverses des racines des entiers jusqu a n =  124.99121733134744
2*sqrt(n) =  126.44366334458995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.57314832097863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.1675286888456

n =  3998
somme des inverses des racines des entiers jusqu a n =  125.0070326739783
2*sqrt(n) =  126.45947967629789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.58871449633754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.18347009872807

n =  3999
somme des inverses des racines des entiers jusqu a n =  125.02284603907334
2*sqrt(n) =  126.47529403009902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.60427875635222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.19940949942242

n =  4000
somme des inverses des racines des entiers jusqu a n =  125.03865742737419
2*sqrt(n) =  126.49110640673517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.61984110173314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.21534689168618

n =  4001
somme des inverses des racines des entiers jusqu a n =  125.054466839622
2*sqrt(n) =  126.50691680694776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.63540153319053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.23128227627637
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n =  4002
somme des inverses des racines des entiers jusqu a n =  125.07027427655746
2*sqrt(n) =  126.52272523147768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.650960051434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.24721565394952

n =  4003
somme des inverses des racines des entiers jusqu a n =  125.08607973892082
2*sqrt(n) =  126.53853168106544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.66651665717286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.2631470254617

n =  4004
somme des inverses des racines des entiers jusqu a n =  125.10188322745184
2*sqrt(n) =  126.554336156451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.6820713511159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.27907639156854

n =  4005
somme des inverses des racines des entiers jusqu a n =  125.11768474288984
2*sqrt(n) =  126.57013865837392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.69762413397146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.29500375302516

n =  4006
somme des inverses des racines des entiers jusqu a n =  125.13348428597365
2*sqrt(n) =  126.58593918757327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.71317500644751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.31092911058616

n =  4007
somme des inverses des racines des entiers jusqu a n =  125.14928185744168
2*sqrt(n) =  126.60173774478768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.72872396925155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.32685246500574

n =  4008
somme des inverses des racines des entiers jusqu a n =  125.16507745803185
2*sqrt(n) =  126.6175343307553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.7442710230906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.34277381703765

n =  4009
somme des inverses des racines des entiers jusqu a n =  125.18087108848161
2*sqrt(n) =  126.63332894621384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.75981616867134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.3586931674351

n =  4010
somme des inverses des racines des entiers jusqu a n =  125.19666274952799
2*sqrt(n) =  126.64912159190051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.7753594066999
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.3746105169508

n =  4011
somme des inverses des racines des entiers jusqu a n =  125.21245244190752
2*sqrt(n) =  126.6649122685521
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.79090073788205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.39052586633713

n =  4012
somme des inverses des racines des entiers jusqu a n =  125.22824016635629
2*sqrt(n) =  126.68070097690493
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.80644016292311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.40643921634583

n =  4013
somme des inverses des racines des entiers jusqu a n =  125.24402592360993
2*sqrt(n) =  126.69648771769484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.82197768252793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.4223505677283

n =  4014
somme des inverses des racines des entiers jusqu a n =  125.2598097144036
2*sqrt(n) =  126.71227249165726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.83751329740097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.43825992123539

n =  4015
somme des inverses des racines des entiers jusqu a n =  125.27559153947203
2*sqrt(n) =  126.7280552995271
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.85304700824625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.45416727761753

n =  4016
somme des inverses des racines des entiers jusqu a n =  125.29137139954948
2*sqrt(n) =  126.74383614203887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.86857881576731
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.47007263762464

n =  4017
somme des inverses des racines des entiers jusqu a n =  125.30714929536973
2*sqrt(n) =  126.7596150199266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.88410872066731
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.48597600200623

n =  4018
somme des inverses des racines des entiers jusqu a n =  125.32292522766613
2*sqrt(n) =  126.77539193392383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.89963672364895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.50187737151126

n =  4019
somme des inverses des racines des entiers jusqu a n =  125.33869919717158
2*sqrt(n) =  126.7911668847637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.9151628254145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.5177767468883

n =  4020
somme des inverses des racines des entiers jusqu a n =  125.35447120461849
2*sqrt(n) =  126.80693987317886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.9306870266658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.5336741288854

n =  4021
somme des inverses des racines des entiers jusqu a n =  125.37024125073884
2*sqrt(n) =  126.82271089990152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.94620932810426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.54956951825017

n =  4022
somme des inverses des racines des entiers jusqu a n =  125.38600933626417
2*sqrt(n) =  126.83847996566341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.96172973043082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.5654629157297

n =  4023
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somme des inverses des racines des entiers jusqu a n =  125.40177546192551
2*sqrt(n) =  126.85424707119584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.97724823434606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.58135432207072

n =  4024
somme des inverses des racines des entiers jusqu a n =  125.4175396284535
2*sqrt(n) =  126.87001221722964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  115.99276484055008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.59724373801942

n =  4025
somme des inverses des racines des entiers jusqu a n =  125.43330183657828
2*sqrt(n) =  126.8857754044952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.00827954974255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.61313116432154

n =  4026
somme des inverses des racines des entiers jusqu a n =  125.44906208702956
2*sqrt(n) =  126.90153663372244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.02379236262271
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.6290166017223

n =  4027
somme des inverses des racines des entiers jusqu a n =  125.4648203805366
2*sqrt(n) =  126.91729590564086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.03930327988941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.64490005096658

n =  4028
somme des inverses des racines des entiers jusqu a n =  125.48057671782817
2*sqrt(n) =  126.93305322097945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.054812302241
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.66078151279868

n =  4029
somme des inverses des racines des entiers jusqu a n =  125.49633109963264
2*sqrt(n) =  126.94880858046679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.07031943037545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.67666098796246

n =  4030
somme des inverses des racines des entiers jusqu a n =  125.51208352667791
2*sqrt(n) =  126.96456198483102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.0858246649903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.69253847720137

n =  4031
somme des inverses des racines des entiers jusqu a n =  125.52783399969141
2*sqrt(n) =  126.98031343479981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.10132800678265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.7084139812584

n =  4032
somme des inverses des racines des entiers jusqu a n =  125.54358251940013
2*sqrt(n) =  126.99606293110035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.11682945644915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.72428750087596

n =  4033
somme des inverses des racines des entiers jusqu a n =  125.55932908653061
2*sqrt(n) =  127.01181047445942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.13232901468606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.74015903679611
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n =  4034
somme des inverses des racines des entiers jusqu a n =  125.57507370180895
2*sqrt(n) =  127.02755606560333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.14782668218918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.7560285897604

n =  4035
somme des inverses des racines des entiers jusqu a n =  125.59081636596078
2*sqrt(n) =  127.04329970525797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.16332245965393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.77189616050998

n =  4036
somme des inverses des racines des entiers jusqu a n =  125.6065570797113
2*sqrt(n) =  127.05904139414872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.17881634777522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.78776174978546

n =  4037
somme des inverses des racines des entiers jusqu a n =  125.62229584378524
2*sqrt(n) =  127.07478113300058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.19430834724764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.80362535832705

n =  4038
somme des inverses des racines des entiers jusqu a n =  125.6380326589069
2*sqrt(n) =  127.09051892253804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.20979845876526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.81948698687444

n =  4039
somme des inverses des racines des entiers jusqu a n =  125.65376752580012
2*sqrt(n) =  127.10625476348518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.22528668302178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.8353466361669

n =  4040
somme des inverses des racines des entiers jusqu a n =  125.6695004451883
2*sqrt(n) =  127.12198865656563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.24077302071044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.85120430694323

n =  4041
somme des inverses des racines des entiers jusqu a n =  125.68523141779441
2*sqrt(n) =  127.13772060250254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.25625747252407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.86705999994177

n =  4042
somme des inverses des racines des entiers jusqu a n =  125.70096044434092
2*sqrt(n) =  127.15345060201867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.2717400391551
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.88291371590046

n =  4043
somme des inverses des racines des entiers jusqu a n =  125.7166875255499
2*sqrt(n) =  127.16917865583626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.2872207212955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.89876545555666

n =  4044
somme des inverses des racines des entiers jusqu a n =  125.73241266214296
2*sqrt(n) =  127.18490476467717
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.30269951963682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.91461521964735

n =  4045
somme des inverses des racines des entiers jusqu a n =  125.74813585484127
2*sqrt(n) =  127.20062892926276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.31817643487017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.93046300890904

n =  4046
somme des inverses des racines des entiers jusqu a n =  125.76385710436553
2*sqrt(n) =  127.21635115031401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.33365146768632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.94630882407785

n =  4047
somme des inverses des racines des entiers jusqu a n =  125.77957641143603
2*sqrt(n) =  127.23207142855138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.34912461877552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.9621526658893

n =  4048
somme des inverses des racines des entiers jusqu a n =  125.79529377677257
2*sqrt(n) =  127.24778976469493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.36459588882764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.97799453507858

n =  4049
somme des inverses des racines des entiers jusqu a n =  125.81100920109455
2*sqrt(n) =  127.26350615946427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.38006527853211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  131.99383443238034

n =  4050
somme des inverses des racines des entiers jusqu a n =  125.82672268512091
2*sqrt(n) =  127.27922061357856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.39553278857798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.00967235852886

n =  4051
somme des inverses des racines des entiers jusqu a n =  125.84243422957016
2*sqrt(n) =  127.29493312775651
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.41099841965382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.02550831425785

n =  4052
somme des inverses des racines des entiers jusqu a n =  125.85814383516032
2*sqrt(n) =  127.31064370271639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.42646217244783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.04134230030067

n =  4053
somme des inverses des racines des entiers jusqu a n =  125.87385150260903
2*sqrt(n) =  127.32635233917604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.44192404764773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.05717431739018

n =  4054
somme des inverses des racines des entiers jusqu a n =  125.88955723263344
2*sqrt(n) =  127.34205903785285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.45738404594091
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.07300436625883

n =  4055
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somme des inverses des racines des entiers jusqu a n =  125.90526102595027
2*sqrt(n) =  127.35776379946375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.47284216801424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.0888324476385

n =  4056
somme des inverses des racines des entiers jusqu a n =  125.9209628832758
2*sqrt(n) =  127.37346662472527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.48829841455425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.10465856226077

n =  4057
somme des inverses des racines des entiers jusqu a n =  125.93666280532588
2*sqrt(n) =  127.38916751435343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.50375278624699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.12048271085666

n =  4058
somme des inverses des racines des entiers jusqu a n =  125.95236079281591
2*sqrt(n) =  127.40486646906389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.51920528377813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.13630489415675

n =  4059
somme des inverses des racines des entiers jusqu a n =  125.96805684646084
2*sqrt(n) =  127.4205634895718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.53465590783291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.15212511289124

n =  4060
somme des inverses des racines des entiers jusqu a n =  125.9837509669752
2*sqrt(n) =  127.43625857659192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.55010465909615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.1679433677898

n =  4061
somme des inverses des racines des entiers jusqu a n =  125.99944315507305
2*sqrt(n) =  127.45195173083854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.56555153825225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.18375965958168

n =  4062
somme des inverses des racines des entiers jusqu a n =  126.01513341146806
2*sqrt(n) =  127.46764295302553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.5809965459852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.1995739889957

n =  4063
somme des inverses des racines des entiers jusqu a n =  126.0308217368734
2*sqrt(n) =  127.4833322438663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.59643968297858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.21538635676015

n =  4064
somme des inverses des racines des entiers jusqu a n =  126.04650813200186
2*sqrt(n) =  127.49901960407382
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.6118809499155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.23119676360298

n =  4065
somme des inverses des racines des entiers jusqu a n =  126.06219259756574
2*sqrt(n) =  127.51470503436065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.62732034747874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.2470052102516
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n =  4066
somme des inverses des racines des entiers jusqu a n =  126.07787513427694
2*sqrt(n) =  127.53038853543887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.64275787635059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.26281169743302

n =  4067
somme des inverses des racines des entiers jusqu a n =  126.09355574284689
2*sqrt(n) =  127.54607010802019
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.65819353721297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.2786162258738

n =  4068
somme des inverses des racines des entiers jusqu a n =  126.10923442398662
2*sqrt(n) =  127.5617497528158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.67362733074735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.29441879630002

n =  4069
somme des inverses des racines des entiers jusqu a n =  126.12491117840669
2*sqrt(n) =  127.57742747053649
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.68905925763481
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.31021940943734

n =  4070
somme des inverses des racines des entiers jusqu a n =  126.14058600681724
2*sqrt(n) =  127.59310326189265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.70448931855601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.32601806601096

n =  4071
somme des inverses des racines des entiers jusqu a n =  126.15625890992798
2*sqrt(n) =  127.60877712759417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.7199175141912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.34181476674564

n =  4072
somme des inverses des racines des entiers jusqu a n =  126.17192988844816
2*sqrt(n) =  127.62444906835053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.73534384522017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.3576095123657

n =  4073
somme des inverses des racines des entiers jusqu a n =  126.18759894308661
2*sqrt(n) =  127.6401190848708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.75076831232239
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.37340230359501

n =  4074
somme des inverses des racines des entiers jusqu a n =  126.20326607455173
2*sqrt(n) =  127.65578717786359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.76619091617684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.38919314115697

n =  4075
somme des inverses des racines des entiers jusqu a n =  126.2189312835515
2*sqrt(n) =  127.67145334803705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.7816116574621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.40498202577453

n =  4076
somme des inverses des racines des entiers jusqu a n =  126.23459457079342
2*sqrt(n) =  127.68711759609894
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.79703053685634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.42076895817024

n =  4077
somme des inverses des racines des entiers jusqu a n =  126.25025593698459
2*sqrt(n) =  127.70277992275658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.81244755503732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.4365539390662

n =  4078
somme des inverses des racines des entiers jusqu a n =  126.26591538283166
2*sqrt(n) =  127.71844032871682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.82786271268243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.45233696918402

n =  4079
somme des inverses des racines des entiers jusqu a n =  126.28157290904088
2*sqrt(n) =  127.73409881468612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.84327601046857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.4681180492449

n =  4080
somme des inverses des racines des entiers jusqu a n =  126.297228516318
2*sqrt(n) =  127.74975538137049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.85868744907229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.4838971799696

n =  4081
somme des inverses des racines des entiers jusqu a n =  126.31288220536841
2*sqrt(n) =  127.7654100294755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.8740970291697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.4996743620784

n =  4082
somme des inverses des racines des entiers jusqu a n =  126.32853397689703
2*sqrt(n) =  127.7810627597063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.88950475143652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.5154495962912

n =  4083
somme des inverses des racines des entiers jusqu a n =  126.34418383160838
2*sqrt(n) =  127.79671357276759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.90491061654802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.53122288332736

n =  4084
somme des inverses des racines des entiers jusqu a n =  126.35983177020648
2*sqrt(n) =  127.81236246936366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.92031462517912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.54699422390593

n =  4085
somme des inverses des racines des entiers jusqu a n =  126.375477793395
2*sqrt(n) =  127.82800945019835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.93571677800425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.5627636187454

n =  4086
somme des inverses des racines des entiers jusqu a n =  126.39112190187714
2*sqrt(n) =  127.8436545159751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.95111707569754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.57853106856388

n =  4087
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somme des inverses des racines des entiers jusqu a n =  126.40676409635566
2*sqrt(n) =  127.85929766739687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.9665155189326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.594296574079

n =  4088
somme des inverses des racines des entiers jusqu a n =  126.4224043775329
2*sqrt(n) =  127.87493890516625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.98191210838272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.610060136008

n =  4089
somme des inverses des racines des entiers jusqu a n =  126.4380427461108
2*sqrt(n) =  127.89057822998534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  116.9973068447207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.62582175506765

n =  4090
somme des inverses des racines des entiers jusqu a n =  126.45367920279081
2*sqrt(n) =  127.90621564255585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.01269972861901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.64158143197426

n =  4091
somme des inverses des racines des entiers jusqu a n =  126.46931374827402
2*sqrt(n) =  127.92185114357906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.02809076074966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.65733916744375

n =  4092
somme des inverses des racines des entiers jusqu a n =  126.48494638326103
2*sqrt(n) =  127.93748473375581
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.0434799417843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.67309496219156

n =  4093
somme des inverses des racines des entiers jusqu a n =  126.50057710845206
2*sqrt(n) =  127.9531164137865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.05886727239411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.6888488169327

n =  4094
somme des inverses des racines des entiers jusqu a n =  126.51620592454688
2*sqrt(n) =  127.96874618437113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.0742527532499
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.70460073238175

n =  4095
somme des inverses des racines des entiers jusqu a n =  126.53183283224483
2*sqrt(n) =  127.98437404620925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.08963638502209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.72035070925284

n =  4096
somme des inverses des racines des entiers jusqu a n =  126.54745783224483
2*sqrt(n) =  128.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.10501816838067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.73609874825968

n =  4097
somme des inverses des racines des entiers jusqu a n =  126.56308092524537
2*sqrt(n) =  128.01562404644207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.1203981039952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.7518448501155
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n =  4098
somme des inverses des racines des entiers jusqu a n =  126.57870211194452
2*sqrt(n) =  128.03124618623377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.13577619253493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.7675890155332

n =  4099
somme des inverses des racines des entiers jusqu a n =  126.59432139303992
2*sqrt(n) =  128.04686642007292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.15115243466859
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.78333124522507

n =  4100
somme des inverses des racines des entiers jusqu a n =  126.60993876922878
2*sqrt(n) =  128.06248474865697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.16652683106457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.79907153990317

n =  4101
somme des inverses des racines des entiers jusqu a n =  126.6255542412079
2*sqrt(n) =  128.07810117268292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.18189938239087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.81480990027896

n =  4102
somme des inverses des racines des entiers jusqu a n =  126.64116780967362
2*sqrt(n) =  128.09371569284733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.197270089315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.83054632706347

n =  4103
somme des inverses des racines des entiers jusqu a n =  126.65677947532191
2*sqrt(n) =  128.10932830984635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.21263895250416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.84628082096742

n =  4104
somme des inverses des racines des entiers jusqu a n =  126.67238923884827
2*sqrt(n) =  128.12493902437572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.22800597262511
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.862013382701

n =  4105
somme des inverses des racines des entiers jusqu a n =  126.6879971009478
2*sqrt(n) =  128.14054783713078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.24337115034426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.87774401297403

n =  4106
somme des inverses des racines des entiers jusqu a n =  126.70360306231517
2*sqrt(n) =  128.15615474880636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.25873448632748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.8934727124958

n =  4107
somme des inverses des racines des entiers jusqu a n =  126.71920712364462
2*sqrt(n) =  128.17175976009693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.27409598124038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.9091994819752

n =  4108
somme des inverses des racines des entiers jusqu a n =  126.73480928562998
2*sqrt(n) =  128.18736287169654
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.28945563574808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.92492432212075

n =  4109
somme des inverses des racines des entiers jusqu a n =  126.75040954896464
2*sqrt(n) =  128.20296408429877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.30481345051537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.94064723364048

n =  4110
somme des inverses des racines des entiers jusqu a n =  126.7660079143416
2*sqrt(n) =  128.21856339859684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.32016942620656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.956368217242

n =  4111
somme des inverses des racines des entiers jusqu a n =  126.78160438245341
2*sqrt(n) =  128.23416081528353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.33552356348565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.97208727363247

n =  4112
somme des inverses des racines des entiers jusqu a n =  126.79719895399221
2*sqrt(n) =  128.2497563350512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.3508758630162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  132.98780440351868

n =  4113
somme des inverses des racines des entiers jusqu a n =  126.81279162964971
2*sqrt(n) =  128.2653499585917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.3662263254613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.00351960760693

n =  4114
somme des inverses des racines des entiers jusqu a n =  126.82838241011721
2*sqrt(n) =  128.2809416865966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.38157495148371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.01923288660305

n =  4115
somme des inverses des racines des entiers jusqu a n =  126.8439712960856
2*sqrt(n) =  128.296531519757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.39692174174583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.03494424121257

n =  4116
somme des inverses des racines des entiers jusqu a n =  126.85955828824531
2*sqrt(n) =  128.31211945876353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.4122666969096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.0506536721405

n =  4117
somme des inverses des racines des entiers jusqu a n =  126.8751433872864
2*sqrt(n) =  128.32770550430644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.42760981763654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.06636118009138

n =  4118
somme des inverses des racines des entiers jusqu a n =  126.89072659389848
2*sqrt(n) =  128.34328965707556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.44295110458783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.0820667657694

n =  4119
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somme des inverses des racines des entiers jusqu a n =  126.90630790877074
2*sqrt(n) =  128.35887191776033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.45829055842425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.09777042987835

n =  4120
somme des inverses des racines des entiers jusqu a n =  126.921887332592
2*sqrt(n) =  128.3744522870497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.47362817980614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.1134721731215

n =  4121
somme des inverses des racines des entiers jusqu a n =  126.93746486605058
2*sqrt(n) =  128.39003076563228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.48896396939347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.12917199620168

n =  4122
somme des inverses des racines des entiers jusqu a n =  126.95304050983444
2*sqrt(n) =  128.40560735419618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.50429792784578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.14486989982137

n =  4123
somme des inverses des racines des entiers jusqu a n =  126.96861426463111
2*sqrt(n) =  128.42118205342916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.51963005582226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.1605658846826

n =  4124
somme des inverses des racines des entiers jusqu a n =  126.98418613112773
2*sqrt(n) =  128.43675486401858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.53496035398173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.176259951487

n =  4125
somme des inverses des racines des entiers jusqu a n =  126.99975611001096
2*sqrt(n) =  128.4523257866513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.55028882298252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.19195210093568

n =  4126
somme des inverses des racines des entiers jusqu a n =  127.0153242019671
2*sqrt(n) =  128.4678948220138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.5656154634826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.20764233372938

n =  4127
somme des inverses des racines des entiers jusqu a n =  127.03089040768201
2*sqrt(n) =  128.48346197079218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.5809402761396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.22333065056847

n =  4128
somme des inverses des racines des entiers jusqu a n =  127.04645472784112
2*sqrt(n) =  128.49902723367208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.59626326161069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.23901705215278

n =  4129
somme des inverses des racines des entiers jusqu a n =  127.0620171631295
2*sqrt(n) =  128.51459061133875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.61158442055266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.25470153918178
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n =  4130
somme des inverses des racines des entiers jusqu a n =  127.07757771423174
2*sqrt(n) =  128.53015210447703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.62690375362195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.27038411235455

n =  4131
somme des inverses des racines des entiers jusqu a n =  127.09313638183205
2*sqrt(n) =  128.5457117137713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.64222126147455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.28606477236968

n =  4132
somme des inverses des racines des entiers jusqu a n =  127.10869316661423
2*sqrt(n) =  128.56126943990557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.65753694476605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.30174351992534

n =  4133
somme des inverses des racines des entiers jusqu a n =  127.12424806926165
2*sqrt(n) =  128.57682528356344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.67285080415171
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.3174203557193

n =  4134
somme des inverses des racines des entiers jusqu a n =  127.13980109045728
2*sqrt(n) =  128.59237924542808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.68816284028637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.33309528044893

n =  4135
somme des inverses des racines des entiers jusqu a n =  127.15535223088366
2*sqrt(n) =  128.6079313261822
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.70347305382442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.3487682948111

n =  4136
somme des inverses des racines des entiers jusqu a n =  127.17090149122295
2*sqrt(n) =  128.62348152650821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.71878144541995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.36443939950234

n =  4137
somme des inverses des racines des entiers jusqu a n =  127.18644887215684
2*sqrt(n) =  128.639029847088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.7340880157266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.3801085952187

n =  4138
somme des inverses des racines des entiers jusqu a n =  127.20199437436668
2*sqrt(n) =  128.65457628860312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.74939276539764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.39577588265587

n =  4139
somme des inverses des racines des entiers jusqu a n =  127.21753799853336
2*sqrt(n) =  128.67012085173465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.76469569508592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.41144126250902

n =  4140
somme des inverses des racines des entiers jusqu a n =  127.23307974533736
2*sqrt(n) =  128.6856635371633
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.77999680544394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.42710473547297

n =  4141
somme des inverses des racines des entiers jusqu a n =  127.24861961545878
2*sqrt(n) =  128.70120434556935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.79529609712378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.44276630224212

n =  4142
somme des inverses des racines des entiers jusqu a n =  127.26415760957728
2*sqrt(n) =  128.7167432776327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.81059357077717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.45842596351045

n =  4143
somme des inverses des racines des entiers jusqu a n =  127.27969372837212
2*sqrt(n) =  128.73228033403277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.82588922705537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.47408371997147

n =  4144
somme des inverses des racines des entiers jusqu a n =  127.29522797252216
2*sqrt(n) =  128.74781551544865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.84118306660933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.4897395723183

n =  4145
somme des inverses des racines des entiers jusqu a n =  127.31076034270582
2*sqrt(n) =  128.76334882255898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.85647509008959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.50539352124366

n =  4146
somme des inverses des racines des entiers jusqu a n =  127.32629083960114
2*sqrt(n) =  128.778880256042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.87176529814627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.52104556743984

n =  4147
somme des inverses des racines des entiers jusqu a n =  127.34181946388576
2*sqrt(n) =  128.7944098165755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.88705369142912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.53669571159867

n =  4148
somme des inverses des racines des entiers jusqu a n =  127.35734621623686
2*sqrt(n) =  128.80993750483694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.90234027058753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.55234395441164

n =  4149
somme des inverses des racines des entiers jusqu a n =  127.37287109733128
2*sqrt(n) =  128.82546332150332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.91762503627046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.56799029656975

n =  4150
somme des inverses des racines des entiers jusqu a n =  127.38839410784541
2*sqrt(n) =  128.84098726725125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.9329079891265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.5836347387636

n =  4151
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somme des inverses des racines des entiers jusqu a n =  127.40391524845523
2*sqrt(n) =  128.8565093427569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.94818912980388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.5992772816834

n =  4152
somme des inverses des racines des entiers jusqu a n =  127.41943451983634
2*sqrt(n) =  128.8720295486961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.96346845895039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.61491792601896

n =  4153
somme des inverses des racines des entiers jusqu a n =  127.43495192266391
2*sqrt(n) =  128.8875478857442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.97874597721345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.63055667245956

n =  4154
somme des inverses des racines des entiers jusqu a n =  127.4504674576127
2*sqrt(n) =  128.90306435457614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  117.99402168524009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.64619352169416

n =  4155
somme des inverses des racines des entiers jusqu a n =  127.46598112535709
2*sqrt(n) =  128.91857895586656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.00929558367702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.66182847441132

n =  4156
somme des inverses des racines des entiers jusqu a n =  127.48149292657104
2*sqrt(n) =  128.9340916902896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.02456767317048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.67746153129914

n =  4157
somme des inverses des racines des entiers jusqu a n =  127.49700286192808
2*sqrt(n) =  128.94960255851896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.03983795436633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.6930926930453

n =  4158
somme des inverses des racines des entiers jusqu a n =  127.51251093210139
2*sqrt(n) =  128.96511156122807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.05510642791012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.70872196033704

n =  4159
somme des inverses des racines des entiers jusqu a n =  127.5280171377637
2*sqrt(n) =  128.98061869908983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.07037309444692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.72434933386128

n =  4160
somme des inverses des racines des entiers jusqu a n =  127.54352147958735
2*sqrt(n) =  128.9961239727768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.08563795462149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.73997481430445

n =  4161
somme des inverses des racines des entiers jusqu a n =  127.55902395824428
2*sqrt(n) =  129.0116273829611
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.10090100907817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.75559840235258
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n =  4162
somme des inverses des racines des entiers jusqu a n =  127.57452457440603
2*sqrt(n) =  129.0271289303145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.11616225846092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.7712200986913

n =  4163
somme des inverses des racines des entiers jusqu a n =  127.59002332874371
2*sqrt(n) =  129.0426286155083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.13142170341334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.7868399040058

n =  4164
somme des inverses des racines des entiers jusqu a n =  127.60552022192806
2*sqrt(n) =  129.05812643921342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.14667934457857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.80245781898086

n =  4165
somme des inverses des racines des entiers jusqu a n =  127.6210152546294
2*sqrt(n) =  129.07362240210043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.16193518259949
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.8180738443009

n =  4166
somme des inverses des racines des entiers jusqu a n =  127.63650842751764
2*sqrt(n) =  129.0891165048394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.1771892181185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.83368798064987

n =  4167
somme des inverses des racines des entiers jusqu a n =  127.65199974126232
2*sqrt(n) =  129.10460874810008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.19244145177763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.8493002287113

n =  4168
somme des inverses des racines des entiers jusqu a n =  127.66748919653253
2*sqrt(n) =  129.1200991325518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.20769188421859
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.86491058916837

n =  4169
somme des inverses des racines des entiers jusqu a n =  127.68297679399701
2*sqrt(n) =  129.13558765886341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.22294051608262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.8805190627038

n =  4170
somme des inverses des racines des entiers jusqu a n =  127.69846253432408
2*sqrt(n) =  129.15107432770353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.23818734801068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.89612564999993

n =  4171
somme des inverses des racines des entiers jusqu a n =  127.71394641818164
2*sqrt(n) =  129.1665591397402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.25343238064326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.91173035173867

n =  4172
somme des inverses des racines des entiers jusqu a n =  127.72942844623721
2*sqrt(n) =  129.18204209564115
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.26867561462049
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.92733316860148

n =  4173
somme des inverses des racines des entiers jusqu a n =  127.7449086191579
2*sqrt(n) =  129.1975231960737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.28391705058215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.94293410126946

n =  4174
somme des inverses des racines des entiers jusqu a n =  127.76038693761042
2*sqrt(n) =  129.21300244170476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.29915668916762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.95853315042334

n =  4175
somme des inverses des racines des entiers jusqu a n =  127.77586340226111
2*sqrt(n) =  129.22847983320085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.31439453101589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.97413031674333

n =  4176
somme des inverses des racines des entiers jusqu a n =  127.79133801377586
2*sqrt(n) =  129.24395537122808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.32963057676561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  133.9897256009093

n =  4177
somme des inverses des racines des entiers jusqu a n =  127.8068107728202
2*sqrt(n) =  129.2594290564522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.34486482705503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.0053190036008

n =  4178
somme des inverses des racines des entiers jusqu a n =  127.82228168005925
2*sqrt(n) =  129.2749008895385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.36009728252198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.02091052549673

n =  4179
somme des inverses des racines des entiers jusqu a n =  127.83775073615773
2*sqrt(n) =  129.29037087115188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.37532794380397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.03650016727582

n =  4180
somme des inverses des racines des entiers jusqu a n =  127.85321794177997
2*sqrt(n) =  129.3058390019569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.39055681153812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.0520879296163

n =  4181
somme des inverses des racines des entiers jusqu a n =  127.8686832975899
2*sqrt(n) =  129.3213052826177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.40578388636112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.06767381319597

n =  4182
somme des inverses des racines des entiers jusqu a n =  127.88414680425105
2*sqrt(n) =  129.33676971379793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.42100916890936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.08325781869223

n =  4183
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somme des inverses des racines des entiers jusqu a n =  127.89960846242654
2*sqrt(n) =  129.35223229616102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.43623265981883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.0988399467821

n =  4184
somme des inverses des racines des entiers jusqu a n =  127.91506827277912
2*sqrt(n) =  129.36769303036982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.45145435972506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.1144201981422

n =  4185
somme des inverses des racines des entiers jusqu a n =  127.93052623597113
2*sqrt(n) =  129.38315191708693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.46667426926336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.12999857344872

n =  4186
somme des inverses des racines des entiers jusqu a n =  127.94598235266452
2*sqrt(n) =  129.3986089569745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.48189238906856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.14557507337747

n =  4187
somme des inverses des racines des entiers jusqu a n =  127.96143662352083
2*sqrt(n) =  129.41406415069423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.4971087197751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.1611496986038

n =  4188
somme des inverses des racines des entiers jusqu a n =  127.9768890492012
2*sqrt(n) =  129.4295174989075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.51232326201708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.1767224498027

n =  4189
somme des inverses des racines des entiers jusqu a n =  127.99233963036643
2*sqrt(n) =  129.44496900227526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.52753601642823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.19229332764877

n =  4190
somme des inverses des racines des entiers jusqu a n =  128.00778836767688
2*sqrt(n) =  129.46041866145808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.5427469836419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.20786233281618

n =  4191
somme des inverses des racines des entiers jusqu a n =  128.0232352617925
2*sqrt(n) =  129.4758664771161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.55795616429104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.22342946597865

n =  4192
somme des inverses des racines des entiers jusqu a n =  128.03868031337288
2*sqrt(n) =  129.49131244990917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.5731635590083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.2389947278096

n =  4193
somme des inverses des racines des entiers jusqu a n =  128.0541235230772
2*sqrt(n) =  129.5067565804966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.58836916842586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.254558118982
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n =  4194
somme des inverses des racines des entiers jusqu a n =  128.06956489156428
2*sqrt(n) =  129.52219886953742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.60357299317556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.27011964016836

n =  4195
somme des inverses des racines des entiers jusqu a n =  128.0850044194925
2*sqrt(n) =  129.5376393176902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.61877503388891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.28567929204087

n =  4196
somme des inverses des racines des entiers jusqu a n =  128.10044210751985
2*sqrt(n) =  129.55307792561317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.63397529119699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.30123707527125

n =  4197
somme des inverses des racines des entiers jusqu a n =  128.115877956304
2*sqrt(n) =  129.56851469396415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.64917376573057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.31679299053093

n =  4198
somme des inverses des racines des entiers jusqu a n =  128.1313119665021
2*sqrt(n) =  129.5839496234005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.66437045811995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.3323470384908

n =  4199
somme des inverses des racines des entiers jusqu a n =  128.14674413877103
2*sqrt(n) =  129.59938271457932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.67956536899513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.34789921982141

n =  4200
somme des inverses des racines des entiers jusqu a n =  128.16217447376724
2*sqrt(n) =  129.6148139681572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.69475849898573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.36344953519293

n =  4201
somme des inverses des racines des entiers jusqu a n =  128.17760297214676
2*sqrt(n) =  129.63024338479042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.70994984872104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.3789979852751

n =  4202
somme des inverses des racines des entiers jusqu a n =  128.19302963456528
2*sqrt(n) =  129.64567096513483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.72513941882988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.39454457073728

n =  4203
somme des inverses des racines des entiers jusqu a n =  128.20845446167803
2*sqrt(n) =  129.66109670984585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.74032720994074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.41008929224841

n =  4204
somme des inverses des racines des entiers jusqu a n =  128.2238774541399
2*sqrt(n) =  129.6765206195786
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.75551322268177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.425632150477

n =  4205
somme des inverses des racines des entiers jusqu a n =  128.23929861260544
2*sqrt(n) =  129.6919426949878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.77069745768075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.44117314609133

n =  4206
somme des inverses des racines des entiers jusqu a n =  128.25471793772869
2*sqrt(n) =  129.7073629367277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.78587991556505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.45671227975902

n =  4207
somme des inverses des racines des entiers jusqu a n =  128.27013543016338
2*sqrt(n) =  129.7227813454522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.80106059696169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.47224955214747

n =  4208
somme des inverses des racines des entiers jusqu a n =  128.28555109056285
2*sqrt(n) =  129.73819792181484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.8162395024973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.48778496392362

n =  4209
somme des inverses des racines des entiers jusqu a n =  128.30096491958
2*sqrt(n) =  129.75361266646874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.83141663279818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.50331851575402

n =  4210
somme des inverses des racines des entiers jusqu a n =  128.31637691786742
2*sqrt(n) =  129.76902558006668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.84659198849026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.51885020830488

n =  4211
somme des inverses des racines des entiers jusqu a n =  128.33178708607724
2*sqrt(n) =  129.78443666326098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.86176557019905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.53438004224193

n =  4212
somme des inverses des racines des entiers jusqu a n =  128.34719542486127
2*sqrt(n) =  129.79984591670362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.87693737854975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.54990801823055

n =  4213
somme des inverses des racines des entiers jusqu a n =  128.3626019348709
2*sqrt(n) =  129.81525334104617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.89210741416716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.56543413693566

n =  4214
somme des inverses des racines des entiers jusqu a n =  128.3780066167571
2*sqrt(n) =  129.83065893693984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.90727567767571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.5809583990219

n =  4215
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somme des inverses des racines des entiers jusqu a n =  128.3934094711705
2*sqrt(n) =  129.84606270503545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.9224421696995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.59648080515342

n =  4216
somme des inverses des racines des entiers jusqu a n =  128.40881049876134
2*sqrt(n) =  129.8614646459834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.93760689086221
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.612001355994

n =  4217
somme des inverses des racines des entiers jusqu a n =  128.42420970017946
2*sqrt(n) =  129.87686476043376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.9527698417872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.62752005220705

n =  4218
somme des inverses des racines des entiers jusqu a n =  128.4396070760743
2*sqrt(n) =  129.89226304903613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.96793102309742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.6430368944555

n =  4219
somme des inverses des racines des entiers jusqu a n =  128.45500262709498
2*sqrt(n) =  129.90765951243984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.9830904354155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.658551883402

n =  4220
somme des inverses des racines des entiers jusqu a n =  128.47039635389015
2*sqrt(n) =  129.9230541512937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  118.99824807936366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.67406501970873

n =  4221
somme des inverses des racines des entiers jusqu a n =  128.48578825710814
2*sqrt(n) =  129.9384469662463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.0134039555638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.68957630403753

n =  4222
somme des inverses des racines des entiers jusqu a n =  128.50117833739685
2*sqrt(n) =  129.95383795794567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.02855806463741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.70508573704979

n =  4223
somme des inverses des racines des entiers jusqu a n =  128.51656659540384
2*sqrt(n) =  129.96922712703957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.04371040720564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.72059331940653

n =  4224
somme des inverses des racines des entiers jusqu a n =  128.53195303177625
2*sqrt(n) =  129.98461447417537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.05886098388928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.7360990517684

n =  4225
somme des inverses des racines des entiers jusqu a n =  128.54733764716087
2*sqrt(n) =  130.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.07400979530873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.75160293479564
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n =  4226
somme des inverses des racines des entiers jusqu a n =  128.56272044220407
2*sqrt(n) =  130.01538370516005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.08915684208405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.76710496914805

n =  4227
somme des inverses des racines des entiers jusqu a n =  128.57810141755186
2*sqrt(n) =  130.03076559030174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.10430212483496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.78260515548513

n =  4228
somme des inverses des racines des entiers jusqu a n =  128.5934805738499
2*sqrt(n) =  130.04614565607088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.11944564418076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.79810349446595

n =  4229
somme des inverses des racines des entiers jusqu a n =  128.60885791174337
2*sqrt(n) =  130.06152390311286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.13458740074037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.8135999867491

n =  4230
somme des inverses des racines des entiers jusqu a n =  128.62423343187717
2*sqrt(n) =  130.0769003320728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.14972739513247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.82909463299296

n =  4231
somme des inverses des racines des entiers jusqu a n =  128.63960713489578
2*sqrt(n) =  130.09227494359533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.16486562797526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.84458743385537

n =  4232
somme des inverses des racines des entiers jusqu a n =  128.65497902144332
2*sqrt(n) =  130.10764773832474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.18000209988661
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.86007838999382

n =  4233
somme des inverses des racines des entiers jusqu a n =  128.6703490921635
2*sqrt(n) =  130.12301871690497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.19513681148405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.87556750206542

n =  4234
somme des inverses des racines des entiers jusqu a n =  128.68571734769964
2*sqrt(n) =  130.13838787997952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.21026976338472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.89105477072692

n =  4235
somme des inverses des racines des entiers jusqu a n =  128.7010837886947
2*sqrt(n) =  130.15375522819156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.2254009562054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.90654019663464

n =  4236
somme des inverses des racines des entiers jusqu a n =  128.71644841579126
2*sqrt(n) =  130.16912076218384
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.24053039056254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.92202378044448

n =  4237
somme des inverses des racines des entiers jusqu a n =  128.73181122963155
2*sqrt(n) =  130.18448448259878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.25565806707222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.93750552281205

n =  4238
somme des inverses des racines des entiers jusqu a n =  128.74717223085736
2*sqrt(n) =  130.19984639007836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.27078398635012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.9529854243925

n =  4239
somme des inverses des racines des entiers jusqu a n =  128.76253142011015
2*sqrt(n) =  130.21520648526422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.28590814901159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.96846348584054

n =  4240
somme des inverses des racines des entiers jusqu a n =  128.777888798031
2*sqrt(n) =  130.23056476879765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.30103055567164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.98393970781063

n =  4241
somme des inverses des racines des entiers jusqu a n =  128.7932443652606
2*sqrt(n) =  130.24592124131948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.3161512069449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  134.99941409095678

n =  4242
somme des inverses des racines des entiers jusqu a n =  128.8085981224392
2*sqrt(n) =  130.26127590347025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.33127010344563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.01488663593256

n =  4243
somme des inverses des racines des entiers jusqu a n =  128.82395007020682
2*sqrt(n) =  130.27662875589004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.34638724578772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.0303573433912

n =  4244
somme des inverses des racines des entiers jusqu a n =  128.83930020920295
2*sqrt(n) =  130.29197979921864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.36150263458477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.04582621398558

n =  4245
somme des inverses des racines des entiers jusqu a n =  128.8546485400668
2*sqrt(n) =  130.3073290340954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.37661627044996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.06129324836812

n =  4246
somme des inverses des racines des entiers jusqu a n =  128.86999506343716
2*sqrt(n) =  130.3226764611593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.3917281539961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.07675844719088

n =  4247
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somme des inverses des racines des entiers jusqu a n =  128.88533977995246
2*sqrt(n) =  130.33802208104893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.40683828583566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.09222181110556

n =  4248
somme des inverses des racines des entiers jusqu a n =  128.90068269025076
2*sqrt(n) =  130.3533658944026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.42194666658082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.1076833407635

n =  4249
somme des inverses des racines des entiers jusqu a n =  128.91602379496973
2*sqrt(n) =  130.3687079018581
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.43705329684329
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.1231430368155

n =  4250
somme des inverses des racines des entiers jusqu a n =  128.93136309474667
2*sqrt(n) =  130.38404810405297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.45215817723451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.1386008999122

n =  4251
somme des inverses des racines des entiers jusqu a n =  128.9467005902185
2*sqrt(n) =  130.39938650162432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.46726130836554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.15405693070372

n =  4252
somme des inverses des racines des entiers jusqu a n =  128.9620362820218
2*sqrt(n) =  130.41472309520884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.48236269084701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.16951112983975

n =  4253
somme des inverses des racines des entiers jusqu a n =  128.97737017079274
2*sqrt(n) =  130.43005788544295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.49746232528932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.18496349796976

n =  4254
somme des inverses des racines des entiers jusqu a n =  128.99270225716708
2*sqrt(n) =  130.44539087296263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.51256021230246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.2004140357427

n =  4255
somme des inverses des racines des entiers jusqu a n =  129.0080325417803
2*sqrt(n) =  130.46072205840346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.527656352496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.2158627438072

n =  4256
somme des inverses des racines des entiers jusqu a n =  129.0233610252674
2*sqrt(n) =  130.47605144240072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.54275074647924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.23130962281147

n =  4257
somme des inverses des racines des entiers jusqu a n =  129.03868770826313
2*sqrt(n) =  130.49137902558928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.55784339486114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.24675467340336
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n =  4258
somme des inverses des racines des entiers jusqu a n =  129.05401259140177
2*sqrt(n) =  130.50670480860362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.57293429825019
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.26219789623033

n =  4259
somme des inverses des racines des entiers jusqu a n =  129.06933567531726
2*sqrt(n) =  130.52202879207786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.58802345725465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.27763929193947

n =  4260
somme des inverses des racines des entiers jusqu a n =  129.08465696064317
2*sqrt(n) =  130.53735097664577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.60311087248236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.29307886117746

n =  4261
somme des inverses des racines des entiers jusqu a n =  129.09997644801268
2*sqrt(n) =  130.5526713629407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.61819654454081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.30851660459066

n =  4262
somme des inverses des racines des entiers jusqu a n =  129.11529413805863
2*sqrt(n) =  130.5679899515957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.63328047403715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.32395252282498

n =  4263
somme des inverses des racines des entiers jusqu a n =  129.13061003141345
2*sqrt(n) =  130.5833067432434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.6483626615782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.339386616526

n =  4264
somme des inverses des racines des entiers jusqu a n =  129.14592412870925
2*sqrt(n) =  130.59862173851607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.66344310777039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.3548188863389

n =  4265
somme des inverses des racines des entiers jusqu a n =  129.16123643057773
2*sqrt(n) =  130.61393493804556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.67852181321979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.37024933290846

n =  4266
somme des inverses des racines des entiers jusqu a n =  129.17654693765022
2*sqrt(n) =  130.62924634246346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.69359877853216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.3856779568791

n =  4267
somme des inverses des racines des entiers jusqu a n =  129.1918556505577
2*sqrt(n) =  130.64455595240085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.70867400431285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.40110475889486

n =  4268
somme des inverses des racines des entiers jusqu a n =  129.20716256993077
2*sqrt(n) =  130.6598637684886
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.72374749116696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.4165297395994

n =  4269
somme des inverses des racines des entiers jusqu a n =  129.22246769639966
2*sqrt(n) =  130.67516979135706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.73881923969911
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.43195289963603

n =  4270
somme des inverses des racines des entiers jusqu a n =  129.23777103059425
2*sqrt(n) =  130.69047402163633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.75388925051367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.44737423964767

n =  4271
somme des inverses des racines des entiers jusqu a n =  129.25307257314398
2*sqrt(n) =  130.70577645995604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.76895752421458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.46279376027678

n =  4272
somme des inverses des racines des entiers jusqu a n =  129.26837232467804
2*sqrt(n) =  130.72107710694553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.7840240614055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.47821146216555

n =  4273
somme des inverses des racines des entiers jusqu a n =  129.28367028582517
2*sqrt(n) =  130.73637596323374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.79908886268971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.49362734595576

n =  4274
somme des inverses des racines des entiers jusqu a n =  129.29896645721374
2*sqrt(n) =  130.75167302944922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.81415192867013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.50904141228875

n =  4275
somme des inverses des racines des entiers jusqu a n =  129.31426083947179
2*sqrt(n) =  130.7669683062202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.82921325994936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.52445366180564

n =  4276
somme des inverses des racines des entiers jusqu a n =  129.32955343322695
2*sqrt(n) =  130.78226179417453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.8442728571296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.53986409514698

n =  4277
somme des inverses des racines des entiers jusqu a n =  129.34484423910652
2*sqrt(n) =  130.79755349393963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.85933072081272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.55527271295307

n =  4278
somme des inverses des racines des entiers jusqu a n =  129.36013325773743
2*sqrt(n) =  130.81284340614266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.87438685160032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.57067951586384

n =  4279
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somme des inverses des racines des entiers jusqu a n =  129.37542048974623
2*sqrt(n) =  130.82813153141032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.88944125009351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.58608450451874

n =  4280
somme des inverses des racines des entiers jusqu a n =  129.39070593575912
2*sqrt(n) =  130.843417870369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.90449391689316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.60148767955693

n =  4281
somme des inverses des racines des entiers jusqu a n =  129.40598959640192
2*sqrt(n) =  130.85870242364473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.91954485259978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.61688904161718

n =  4282
somme des inverses des racines des entiers jusqu a n =  129.42127147230008
2*sqrt(n) =  130.87398519186308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.93459405781346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.6322885913379

n =  4283
somme des inverses des racines des entiers jusqu a n =  129.43655156407868
2*sqrt(n) =  130.8892661756494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.94964153313403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.64768632935707

n =  4284
somme des inverses des racines des entiers jusqu a n =  129.45182987236248
2*sqrt(n) =  130.90454537562857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.96468727916094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.66308225631238

n =  4285
somme des inverses des racines des entiers jusqu a n =  129.46710639777584
2*sqrt(n) =  130.91982279242512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.97973129649324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.67847637284106

n =  4286
somme des inverses des racines des entiers jusqu a n =  129.48238114094275
2*sqrt(n) =  130.93509842666327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  119.99477358572976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.69386867958002

n =  4287
somme des inverses des racines des entiers jusqu a n =  129.49765410248682
2*sqrt(n) =  130.95037227896682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.00981414746886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.70925917716582

n =  4288
somme des inverses des racines des entiers jusqu a n =  129.51292528303136
2*sqrt(n) =  130.9656443499592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.02485298230857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.72464786623453

n =  4289
somme des inverses des racines des entiers jusqu a n =  129.52819468319927
2*sqrt(n) =  130.98091464026353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.03989009084665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.74003474742196
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n =  4290
somme des inverses des racines des entiers jusqu a n =  129.5434623036131
2*sqrt(n) =  130.99618315050253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.05492547368047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.75541982136355

n =  4291
somme des inverses des racines des entiers jusqu a n =  129.558728144895
2*sqrt(n) =  131.01144988129855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.06995913140703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.7708030886943

n =  4292
somme des inverses des racines des entiers jusqu a n =  129.57399220766683
2*sqrt(n) =  131.0267148332736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.084991064623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.7861845500489

n =  4293
somme des inverses des racines des entiers jusqu a n =  129.58925449255003
2*sqrt(n) =  131.04197800704932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.10002127392477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.80156420606158

n =  4294
somme des inverses des racines des entiers jusqu a n =  129.6045150001657
2*sqrt(n) =  131.057239403247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.11504975990827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.81694205736636

n =  4295
somme des inverses des racines des entiers jusqu a n =  129.61977373113456
2*sqrt(n) =  131.07249902248756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.13007652316921
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.83231810459674

n =  4296
somme des inverses des racines des entiers jusqu a n =  129.635030686077
2*sqrt(n) =  131.08775686539153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.14510156430283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.84769234838586

n =  4297
somme des inverses des racines des entiers jusqu a n =  129.650285865613
2*sqrt(n) =  131.10301293257908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.16012488390409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.86306478936658

n =  4298
somme des inverses des racines des entiers jusqu a n =  129.66553927036227
2*sqrt(n) =  131.11826722467012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.17514648256767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.87843542817134

n =  4299
somme des inverses des racines des entiers jusqu a n =  129.68079090094406
2*sqrt(n) =  131.13351974228405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.19016636088777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.89380426543218

n =  4300
somme des inverses des racines des entiers jusqu a n =  129.69604075797733
2*sqrt(n) =  131.14877048604
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.20518451945836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.90917130178082

n =  4301
somme des inverses des racines des entiers jusqu a n =  129.71128884208062
2*sqrt(n) =  131.16401945655676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.22020095887302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.9245365378486

n =  4302
somme des inverses des racines des entiers jusqu a n =  129.72653515387216
2*sqrt(n) =  131.17926665445268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.235215679725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.9398999742665

n =  4303
somme des inverses des racines des entiers jusqu a n =  129.74177969396982
2*sqrt(n) =  131.1945120803458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.2502286826072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.9552616116651

n =  4304
somme des inverses des racines des entiers jusqu a n =  129.75702246299107
2*sqrt(n) =  131.20975573485381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.2652399681122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.97062145067463

n =  4305
somme des inverses des racines des entiers jusqu a n =  129.77226346155305
2*sqrt(n) =  131.224997618594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.28024953683216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  135.9859794919249

n =  4306
somme des inverses des racines des entiers jusqu a n =  129.78750269027253
2*sqrt(n) =  131.24023773218335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.29525738935904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.0013357360455

n =  4307
somme des inverses des racines des entiers jusqu a n =  129.80274014976595
2*sqrt(n) =  131.25547607623844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.31026352628433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.01669018366547

n =  4308
somme des inverses des racines des entiers jusqu a n =  129.81797584064935
2*sqrt(n) =  131.2707126513755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.32526794819923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.03204283541365

n =  4309
somme des inverses des racines des entiers jusqu a n =  129.83320976353843
2*sqrt(n) =  131.28594745821047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.34027065569464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.0473936919184

n =  4310
somme des inverses des racines des entiers jusqu a n =  129.84844191904858
2*sqrt(n) =  131.3011804973588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.35527164936103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.0627427538077

n =  4311
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somme des inverses des racines des entiers jusqu a n =  129.86367230779476
2*sqrt(n) =  131.31641176943575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.37027092978862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.0780900217093

n =  4312
somme des inverses des racines des entiers jusqu a n =  129.87890093039158
2*sqrt(n) =  131.33164127505603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.3852684975672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.09343549625044

n =  4313
somme des inverses des racines des entiers jusqu a n =  129.89412778745336
2*sqrt(n) =  131.34686901483414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.4002643532863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.10877917805806

n =  4314
somme des inverses des racines des entiers jusqu a n =  129.909352879594
2*sqrt(n) =  131.36209498938422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.41525849753512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.12412106775878

n =  4315
somme des inverses des racines des entiers jusqu a n =  129.92457620742707
2*sqrt(n) =  131.37731919931994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.43025093090242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.1394611659787

n =  4316
somme des inverses des racines des entiers jusqu a n =  129.93979777156576
2*sqrt(n) =  131.39254164525474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.44524165397672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.15479947334376

n =  4317
somme des inverses des racines des entiers jusqu a n =  129.95501757262295
2*sqrt(n) =  131.40776232780163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.46023066734617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.17013599047937

n =  4318
somme des inverses des racines des entiers jusqu a n =  129.97023561121114
2*sqrt(n) =  131.4229812475733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.47521797159854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.18547071801066

n =  4319
somme des inverses des racines des entiers jusqu a n =  129.98545188794247
2*sqrt(n) =  131.43819840518205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.49020356732136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.20080365656239

n =  4320
somme des inverses des racines des entiers jusqu a n =  130.00066640342874
2*sqrt(n) =  131.45341380123986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.5051874551017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.21613480675893

n =  4321
somme des inverses des racines des entiers jusqu a n =  130.01587915828136
2*sqrt(n) =  131.46862743635836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.52016963552643
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.23146416922432
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n =  4322
somme des inverses des racines des entiers jusqu a n =  130.03109015311145
2*sqrt(n) =  131.4838393111488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.53515010918198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.24679174458223

n =  4323
somme des inverses des racines des entiers jusqu a n =  130.0462993885297
2*sqrt(n) =  131.4990494262221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.55012887665445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.2621175334559

n =  4324
somme des inverses des racines des entiers jusqu a n =  130.0615068651465
2*sqrt(n) =  131.51425778218876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.56510593852967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.2774415364683

n =  4325
somme des inverses des racines des entiers jusqu a n =  130.0767125835719
2*sqrt(n) =  131.52946437965906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.58008129539309
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.29276375424206

n =  4326
somme des inverses des racines des entiers jusqu a n =  130.09191654441554
2*sqrt(n) =  131.5446692192428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.5950549478298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.3080841873993

n =  4327
somme des inverses des racines des entiers jusqu a n =  130.10711874828675
2*sqrt(n) =  131.55987230154946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.61002689642459
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.3234028365619

n =  4328
somme des inverses des racines des entiers jusqu a n =  130.12231919579452
2*sqrt(n) =  131.5750736271882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.6249971417619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.33871970235137

n =  4329
somme des inverses des racines des entiers jusqu a n =  130.13751788754743
2*sqrt(n) =  131.59027319676784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.63996568442586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.35403478538882

n =  4330
somme des inverses des racines des entiers jusqu a n =  130.15271482415378
2*sqrt(n) =  131.60547101089682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.65493252500029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.36934808629508

n =  4331
somme des inverses des racines des entiers jusqu a n =  130.16791000622146
2*sqrt(n) =  131.62066707018317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.66989766406856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.38465960569047

n =  4332
somme des inverses des racines des entiers jusqu a n =  130.18310343435803
2*sqrt(n) =  131.63586137523467
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.68486110221379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.3999693441951

n =  4333
somme des inverses des racines des entiers jusqu a n =  130.19829510917072
2*sqrt(n) =  131.6510539266587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.6998228400188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.41527730242865

n =  4334
somme des inverses des racines des entiers jusqu a n =  130.21348503126637
2*sqrt(n) =  131.6662447250623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.71478287806602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.43058348101047

n =  4335
somme des inverses des racines des entiers jusqu a n =  130.2286732012515
2*sqrt(n) =  131.68143377105218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.72974121693754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.4458878805595

n =  4336
somme des inverses des racines des entiers jusqu a n =  130.24385961973226
2*sqrt(n) =  131.69662106523464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.74469785721516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.46119050169438

n =  4337
somme des inverses des racines des entiers jusqu a n =  130.25904428731448
2*sqrt(n) =  131.71180660821565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.75965279948029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.47649134503334

n =  4338
somme des inverses des racines des entiers jusqu a n =  130.27422720460362
2*sqrt(n) =  131.7269904006009
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.77460604431408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.4917904111943

n =  4339
somme des inverses des racines des entiers jusqu a n =  130.2894083722048
2*sqrt(n) =  131.74217244299564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.78955759229729
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.5070877007948

n =  4340
somme des inverses des racines des entiers jusqu a n =  130.30458779072276
2*sqrt(n) =  131.75735273600483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.80450744401038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.52238321445205

n =  4341
somme des inverses des racines des entiers jusqu a n =  130.31976546076194
2*sqrt(n) =  131.77253128023307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.81945560003348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.53767695278287

n =  4342
somme des inverses des racines des entiers jusqu a n =  130.33494138292642
2*sqrt(n) =  131.78770807628456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.83440206094633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.55296891640367

n =  4343
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somme des inverses des racines des entiers jusqu a n =  130.3501155578199
2*sqrt(n) =  131.80288312476324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.84934682732842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.56825910593065

n =  4344
somme des inverses des racines des entiers jusqu a n =  130.36528798604576
2*sqrt(n) =  131.81805642627265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.86428989975889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.58354752197954

n =  4345
somme des inverses des racines des entiers jusqu a n =  130.380458668207
2*sqrt(n) =  131.83322798141597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.87923127881649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.59883416516573

n =  4346
somme des inverses des racines des entiers jusqu a n =  130.39562760490637
2*sqrt(n) =  131.84839779079607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.8941709650797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.61411903610426

n =  4347
somme des inverses des racines des entiers jusqu a n =  130.41079479674613
2*sqrt(n) =  131.86356585501545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.90910895912667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.62940213540983

n =  4348
somme des inverses des racines des entiers jusqu a n =  130.4259602443283
2*sqrt(n) =  131.8787321746763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.92404526153518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.64468346369682

n =  4349
somme des inverses des racines des entiers jusqu a n =  130.44112394825453
2*sqrt(n) =  131.89389675038038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.93897987288274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.6599630215792

n =  4350
somme des inverses des racines des entiers jusqu a n =  130.4562859091261
2*sqrt(n) =  131.90905958272918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.95391279374645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.67524080967056

n =  4351
somme des inverses des racines des entiers jusqu a n =  130.47144612754397
2*sqrt(n) =  131.92422067232386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.96884402470317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.69051682858418

n =  4352
somme des inverses des racines des entiers jusqu a n =  130.48660460410875
2*sqrt(n) =  131.93938001976514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.98377356632936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.70579107893303

n =  4353
somme des inverses des racines des entiers jusqu a n =  130.50176133942068
2*sqrt(n) =  131.95453762565347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  120.99870141920118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.72106356132963
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n =  4354
somme des inverses des racines des entiers jusqu a n =  130.5169163340797
2*sqrt(n) =  131.96969349058898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.01362758389449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.73633427638623

n =  4355
somme des inverses des racines des entiers jusqu a n =  130.53206958868535
2*sqrt(n) =  131.98484761517133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.02855206098474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.75160322471464

n =  4356
somme des inverses des racines des entiers jusqu a n =  130.54722110383685
2*sqrt(n) =  132.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.04347485104715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.76687040692642

n =  4357
somme des inverses des racines des entiers jusqu a n =  130.5623708801331
2*sqrt(n) =  132.015150645674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.05839595465656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.7821358236327

n =  4358
somme des inverses des racines des entiers jusqu a n =  130.57751891817267
2*sqrt(n) =  132.03029955279206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.0733153723875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.79739947544434

n =  4359
somme des inverses des racines des entiers jusqu a n =  130.59266521855372
2*sqrt(n) =  132.04544672195252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.08823310481412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.8126613629717

n =  4360
somme des inverses des racines des entiers jusqu a n =  130.6078097818741
2*sqrt(n) =  132.06059215375342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.10314915251034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.82792148682495

n =  4361
somme des inverses des racines des entiers jusqu a n =  130.62295260873134
2*sqrt(n) =  132.07573584879245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.11806351604969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.84317984761384

n =  4362
somme des inverses des racines des entiers jusqu a n =  130.6380936997226
2*sqrt(n) =  132.09087780766694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.13297619600537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.85843644594772

n =  4363
somme des inverses des racines des entiers jusqu a n =  130.65323305544467
2*sqrt(n) =  132.1060180309739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.1478871929503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.8736912824357

n =  4364
somme des inverses des racines des entiers jusqu a n =  130.66837067649408
2*sqrt(n) =  132.12115651930995
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.16279650745699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.88894435768643

n =  4365
somme des inverses des racines des entiers jusqu a n =  130.68350656346695
2*sqrt(n) =  132.13629327327143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.17770414009773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.90419567230828

n =  4366
somme des inverses des racines des entiers jusqu a n =  130.6986407169591
2*sqrt(n) =  132.15142829345433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.19261009144445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.91944522690926

n =  4367
somme des inverses des racines des entiers jusqu a n =  130.71377313756597
2*sqrt(n) =  132.16656158045424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.20751436206868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.934693022097

n =  4368
somme des inverses des racines des entiers jusqu a n =  130.7289038258827
2*sqrt(n) =  132.18169313486644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.22241695254169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.9499390584788

n =  4369
somme des inverses des racines des entiers jusqu a n =  130.74403278250404
2*sqrt(n) =  132.19682295728592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.23731786343448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.96518333666162

n =  4370
somme des inverses des racines des entiers jusqu a n =  130.75916000802442
2*sqrt(n) =  132.21195104830727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.25221709531763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.98042585725207

n =  4371
somme des inverses des racines des entiers jusqu a n =  130.774285503038
2*sqrt(n) =  132.22707740852476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.26711464876145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  136.9956666208564

n =  4372
somme des inverses des racines des entiers jusqu a n =  130.78940926813846
2*sqrt(n) =  132.24220203853233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.2820105243359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.01090562808054

n =  4373
somme des inverses des racines des entiers jusqu a n =  130.80453130391925
2*sqrt(n) =  132.25732493892352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.2969047226106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.02614287952997

n =  4374
somme des inverses des racines des entiers jusqu a n =  130.81965161097347
2*sqrt(n) =  132.2724461102916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.3117972441549
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.04137837580996

n =  4375
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somme des inverses des racines des entiers jusqu a n =  130.83477018989385
2*sqrt(n) =  132.28756555322954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.32668808953783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.0566121175254

n =  4376
somme des inverses des racines des entiers jusqu a n =  130.84988704127278
2*sqrt(n) =  132.30268326832982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.341577259328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.07184410528072

n =  4377
somme des inverses des racines des entiers jusqu a n =  130.86500216570232
2*sqrt(n) =  132.31779925618474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.35646475409385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.08707433968019

n =  4378
somme des inverses des racines des entiers jusqu a n =  130.8801155637742
2*sqrt(n) =  132.33291351738615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.37135057440334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.10230282132756

n =  4379
somme des inverses des racines des entiers jusqu a n =  130.89522723607982
2*sqrt(n) =  132.34802605252563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.38623472082423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.11752955082633

n =  4380
somme des inverses des racines des entiers jusqu a n =  130.9103371832102
2*sqrt(n) =  132.36313686219438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.4011171939239
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.13275452877963

n =  4381
somme des inverses des racines des entiers jusqu a n =  130.92544540575608
2*sqrt(n) =  132.3782459469833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.4159979942694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.14797775579024

n =  4382
somme des inverses des racines des entiers jusqu a n =  130.94055190430782
2*sqrt(n) =  132.39335330748293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.43087712242752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.1631992324606

n =  4383
somme des inverses des racines des entiers jusqu a n =  130.95565667945547
2*sqrt(n) =  132.40845894428347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.44575457896467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.17841895939287

n =  4384
somme des inverses des racines des entiers jusqu a n =  130.97075973178872
2*sqrt(n) =  132.4235628579748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.46063036444694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.1936369371887

n =  4385
somme des inverses des racines des entiers jusqu a n =  130.98586106189694
2*sqrt(n) =  132.43866504914644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.47550447944016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.2088531664496
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n =  4386
somme des inverses des racines des entiers jusqu a n =  131.00096067036918
2*sqrt(n) =  132.4537655183876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.49037692450977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.2240676477765

n =  4387
somme des inverses des racines des entiers jusqu a n =  131.0160585577941
2*sqrt(n) =  132.4688642662871
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.5052477002209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.23928038177021

n =  4388
somme des inverses des racines des entiers jusqu a n =  131.03115472476009
2*sqrt(n) =  132.48396129343357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.52011680713845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.25449136903111

n =  4389
somme des inverses des racines des entiers jusqu a n =  131.04624917185515
2*sqrt(n) =  132.4990566004151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.53498424582686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.2697006101592

n =  4390
somme des inverses des racines des entiers jusqu a n =  131.06134189966699
2*sqrt(n) =  132.51415018781955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.54985001685034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.28490810575417

n =  4391
somme des inverses des racines des entiers jusqu a n =  131.07643290878292
2*sqrt(n) =  132.52924205623452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.5647141207728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.30011385641538

n =  4392
somme des inverses des racines des entiers jusqu a n =  131.09152219979
2*sqrt(n) =  132.54433220624713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.57957655815777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.3153178627418

n =  4393
somme des inverses des racines des entiers jusqu a n =  131.10660977327493
2*sqrt(n) =  132.55942063844427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.59443732956849
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.33052012533216

n =  4394
somme des inverses des racines des entiers jusqu a n =  131.12169562982402
2*sqrt(n) =  132.5745073534124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.60929643556784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.34572064478468

n =  4395
somme des inverses des racines des entiers jusqu a n =  131.1367797700233
2*sqrt(n) =  132.58959235173776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.6241538767185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.3609194216974

n =  4396
somme des inverses des racines des entiers jusqu a n =  131.1518621944585
2*sqrt(n) =  132.6046756340062
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.6390096535827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.37611645666797

n =  4397
somme des inverses des racines des entiers jusqu a n =  131.1669429037149
2*sqrt(n) =  132.61975720080324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.65386376672242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.39131175029362

n =  4398
somme des inverses des racines des entiers jusqu a n =  131.18202189837754
2*sqrt(n) =  132.63483705271403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.66871621669934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.40650530317137

n =  4399
somme des inverses des racines des entiers jusqu a n =  131.19709917903114
2*sqrt(n) =  132.64991519032344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.68356700407473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.42169711589779

n =  4400
somme des inverses des racines des entiers jusqu a n =  131.21217474626002
2*sqrt(n) =  132.664991614216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.69841612940965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.43688718906918

n =  4401
somme des inverses des racines des entiers jusqu a n =  131.2272486006482
2*sqrt(n) =  132.68006632497588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.7132635932648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.45207552328142

n =  4402
somme des inverses des racines des entiers jusqu a n =  131.2423207427794
2*sqrt(n) =  132.69513932318696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.72810939620057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.46726211913017

n =  4403
somme des inverses des racines des entiers jusqu a n =  131.25739117323698
2*sqrt(n) =  132.71021060943275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.742953538777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.48244697721063

n =  4404
somme des inverses des racines des entiers jusqu a n =  131.27245989260396
2*sqrt(n) =  132.72528018429645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.75779602155389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.49763009811772

n =  4405
somme des inverses des racines des entiers jusqu a n =  131.28752690146302
2*sqrt(n) =  132.74034804836094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.77263684509067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.51281148244607

n =  4406
somme des inverses des racines des entiers jusqu a n =  131.30259220039656
2*sqrt(n) =  132.75541420220873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.78747600994645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.52799113078987

n =  4407
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somme des inverses des racines des entiers jusqu a n =  131.3176557899866
2*sqrt(n) =  132.770478646422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.80231351668002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.54316904374298

n =  4408
somme des inverses des racines des entiers jusqu a n =  131.33271767081482
2*sqrt(n) =  132.78554138158265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.8171493658499
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.558345221899

n =  4409
somme des inverses des racines des entiers jusqu a n =  131.3477778434626
2*sqrt(n) =  132.80060240827223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.83198355801429
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.5735196658512

n =  4410
somme des inverses des racines des entiers jusqu a n =  131.36283630851102
2*sqrt(n) =  132.81566172707193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.84681609373104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.58869237619237

n =  4411
somme des inverses des racines des entiers jusqu a n =  131.3778930665408
2*sqrt(n) =  132.83071933856263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.8616469735577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.6038633535151

n =  4412
somme des inverses des racines des entiers jusqu a n =  131.3929481181323
2*sqrt(n) =  132.8457752433249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.87647619805152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.6190325984116

n =  4413
somme des inverses des racines des entiers jusqu a n =  131.4080014638656
2*sqrt(n) =  132.860829441939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.89130376776944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.63420011147375

n =  4414
somme des inverses des racines des entiers jusqu a n =  131.4230531043204
2*sqrt(n) =  132.87588193498473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.90612968326806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.64936589329307

n =  4415
somme des inverses des racines des entiers jusqu a n =  131.4381030400761
2*sqrt(n) =  132.89093272304171
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.92095394510366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.66452994446075

n =  4416
somme des inverses des racines des entiers jusqu a n =  131.45315127171182
2*sqrt(n) =  132.9059818066892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.93577655383227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.67969226556767

n =  4417
somme des inverses des racines des entiers jusqu a n =  131.4681977998063
2*sqrt(n) =  132.92102918650608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.95059751000956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.69485285720432
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n =  4418
somme des inverses des racines des entiers jusqu a n =  131.48324262493793
2*sqrt(n) =  132.93607486307093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.96541681419087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.71001171996096

n =  4419
somme des inverses des racines des entiers jusqu a n =  131.4982857476848
2*sqrt(n) =  132.95111883696202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.9802344669313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.72516885442738

n =  4420
somme des inverses des racines des entiers jusqu a n =  131.5133271686247
2*sqrt(n) =  132.9661611087573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  121.99505046878555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.74032426119317

n =  4421
somme des inverses des racines des entiers jusqu a n =  131.52836688833506
2*sqrt(n) =  132.9812016790343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.00986482030808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.75547794084744

n =  4422
somme des inverses des racines des entiers jusqu a n =  131.54340490739298
2*sqrt(n) =  132.9962405483704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.02467752205301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.77062989397908

n =  4423
somme des inverses des racines des entiers jusqu a n =  131.55844122637527
2*sqrt(n) =  133.01127771734244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.03948857457411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.7857801211766

n =  4424
somme des inverses des racines des entiers jusqu a n =  131.57347584585838
2*sqrt(n) =  133.02631318652712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.05429797842496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.8009286230282

n =  4425
somme des inverses des racines des entiers jusqu a n =  131.58850876641844
2*sqrt(n) =  133.04134695650072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.0691057341587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.81607540012172

n =  4426
somme des inverses des racines des entiers jusqu a n =  131.60353998863127
2*sqrt(n) =  133.05637902783917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.08391184232818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.83122045304466

n =  4427
somme des inverses des racines des entiers jusqu a n =  131.61856951307232
2*sqrt(n) =  133.07140940111816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.09871630348603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.84636378238423

n =  4428
somme des inverses des racines des entiers jusqu a n =  131.63359734031678
2*sqrt(n) =  133.086438076913
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.11351911818447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.86150538872727

n =  4429
somme des inverses des racines des entiers jusqu a n =  131.64862347093947
2*sqrt(n) =  133.10146505579868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.1283202869755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.87664527266028

n =  4430
somme des inverses des racines des entiers jusqu a n =  131.6636479055149
2*sqrt(n) =  133.1164903383499
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.14311981041072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.89178343476948

n =  4431
somme des inverses des racines des entiers jusqu a n =  131.67867064461726
2*sqrt(n) =  133.13151392514095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.15791768904147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.90691987564068

n =  4432
somme des inverses des racines des entiers jusqu a n =  131.69369168882042
2*sqrt(n) =  133.1465358167459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.1727139234188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.92205459585946

n =  4433
somme des inverses des racines des entiers jusqu a n =  131.7087110386979
2*sqrt(n) =  133.16155601373845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.1875085140934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.93718759601097

n =  4434
somme des inverses des racines des entiers jusqu a n =  131.72372869482294
2*sqrt(n) =  133.17657451669194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.20230146161569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.95231887668007

n =  4435
somme des inverses des racines des entiers jusqu a n =  131.7387446577684
2*sqrt(n) =  133.19159132617943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.21709276653576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.96744843845127

n =  4436
somme des inverses des racines des entiers jusqu a n =  131.75375892810686
2*sqrt(n) =  133.2066064427737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.23188242940346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.98257628190882

n =  4437
somme des inverses des racines des entiers jusqu a n =  131.76877150641056
2*sqrt(n) =  133.2216198670471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.2466704507682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  137.99770240763655

n =  4438
somme des inverses des racines des entiers jusqu a n =  131.78378239325144
2*sqrt(n) =  133.23663159957175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.26145683117922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.01282681621802

n =  4439
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somme des inverses des racines des entiers jusqu a n =  131.79879158920107
2*sqrt(n) =  133.2516416409194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.27624157118535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.0279495082364

n =  4440
somme des inverses des racines des entiers jusqu a n =  131.81379909483076
2*sqrt(n) =  133.26664999166147
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.29102467133521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.0430704842746

n =  4441
somme des inverses des racines des entiers jusqu a n =  131.82880491071145
2*sqrt(n) =  133.2816566523691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.305806132177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.05818974491515

n =  4442
somme des inverses des racines des entiers jusqu a n =  131.8438090374138
2*sqrt(n) =  133.29666162361306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.32058595425869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.07330729074025

n =  4443
somme des inverses des racines des entiers jusqu a n =  131.8588114755081
2*sqrt(n) =  133.31166490596388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.33536413812797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.08842312233182

n =  4444
somme des inverses des racines des entiers jusqu a n =  131.87381222556436
2*sqrt(n) =  133.32666649999166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.35014068433215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.1035372402714

n =  4445
somme des inverses des racines des entiers jusqu a n =  131.88881128815225
2*sqrt(n) =  133.34166640626628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.36491559341829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.1186496451403

n =  4446
somme des inverses des racines des entiers jusqu a n =  131.90380866384112
2*sqrt(n) =  133.3566646253572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.37968886593308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.13376033751928

n =  4447
somme des inverses des racines des entiers jusqu a n =  131.9188043532
2*sqrt(n) =  133.37166115783367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.39446050242299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.148869317989

n =  4448
somme des inverses des racines des entiers jusqu a n =  131.93379835679758
2*sqrt(n) =  133.38665600426452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.40923050343412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.16397658712972

n =  4449
somme des inverses des racines des entiers jusqu a n =  131.9487906752023
2*sqrt(n) =  133.40164916521834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.4239988695123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.17908214552136
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n =  4450
somme des inverses des racines des entiers jusqu a n =  131.96378130898222
2*sqrt(n) =  133.41664064126334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.43876560120306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.19418599374347

n =  4451
somme des inverses des racines des entiers jusqu a n =  131.97877025870508
2*sqrt(n) =  133.43163043296744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.45353069905158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.20928813237535

n =  4452
somme des inverses des racines des entiers jusqu a n =  131.99375752493833
2*sqrt(n) =  133.4466185408982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.46829416360278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.22438856199594

n =  4453
somme des inverses des racines des entiers jusqu a n =  132.0087431082491
2*sqrt(n) =  133.46160496562297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.48305599540127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.23948728318382

n =  4454
somme des inverses des racines des entiers jusqu a n =  132.02372700920415
2*sqrt(n) =  133.47658970770868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.49781619499137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.25458429651732

n =  4455
somme des inverses des racines des entiers jusqu a n =  132.03870922837
2*sqrt(n) =  133.49157276772192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.51257476291701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.26967960257437

n =  4456
somme des inverses des racines des entiers jusqu a n =  132.0536897663128
2*sqrt(n) =  133.5065541462291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.52733169972197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.28477320193264

n =  4457
somme des inverses des racines des entiers jusqu a n =  132.0686686235984
2*sqrt(n) =  133.52153384379613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.54208700594958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.2998650951694

n =  4458
somme des inverses des racines des entiers jusqu a n =  132.0836458007923
2*sqrt(n) =  133.53651186098878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.55684068214298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.3149552828617

n =  4459
somme des inverses des racines des entiers jusqu a n =  132.09862129845976
2*sqrt(n) =  133.5514881983724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.57159272884492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.33004376558614

n =  4460
somme des inverses des racines des entiers jusqu a n =  132.11359511716566
2*sqrt(n) =  133.566462856512
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.5863431465979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.34513054391905

n =  4461
somme des inverses des racines des entiers jusqu a n =  132.12856725747454
2*sqrt(n) =  133.58143583597237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.60109193594411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.36021561843648

n =  4462
somme des inverses des racines des entiers jusqu a n =  132.1435377199507
2*sqrt(n) =  133.59640713731787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.6158390974254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.3752989897141

n =  4463
somme des inverses des racines des entiers jusqu a n =  132.15850650515807
2*sqrt(n) =  133.61137676111267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.6305846315834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.3903806583273

n =  4464
somme des inverses des racines des entiers jusqu a n =  132.1734736136603
2*sqrt(n) =  133.62634470792054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.64532853895939
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.40546062485112

n =  4465
somme des inverses des racines des entiers jusqu a n =  132.18843904602068
2*sqrt(n) =  133.64131097830492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.66007082009432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.4205388898602

n =  4466
somme des inverses des racines des entiers jusqu a n =  132.20340280280223
2*sqrt(n) =  133.65627557282897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.67481147552888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.43561545392902

n =  4467
somme des inverses des racines des entiers jusqu a n =  132.21836488456762
2*sqrt(n) =  133.67123849205558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.68955050580347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.45069031763163

n =  4468
somme des inverses des racines des entiers jusqu a n =  132.23332529187923
2*sqrt(n) =  133.68619973654722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.70428791145814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.46576348154176

n =  4469
somme des inverses des racines des entiers jusqu a n =  132.2482840252991
2*sqrt(n) =  133.70115930686615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.7190236930327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.48083494623287

n =  4470
somme des inverses des racines des entiers jusqu a n =  132.263241085389
2*sqrt(n) =  133.71611720357424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.73375785106663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.49590471227805

n =  4471
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somme des inverses des racines des entiers jusqu a n =  132.27819647271033
2*sqrt(n) =  133.73107342723307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.74849038609909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.51097278025006

n =  4472
somme des inverses des racines des entiers jusqu a n =  132.2931501878242
2*sqrt(n) =  133.7460279784039
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.76322129866897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.52603915072137

n =  4473
somme des inverses des racines des entiers jusqu a n =  132.30810223129143
2*sqrt(n) =  133.76098085764772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.77795058931488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.54110382426416

n =  4474
somme des inverses des racines des entiers jusqu a n =  132.32305260367247
2*sqrt(n) =  133.77593206552515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.79267825857508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.5561668014502

n =  4475
somme des inverses des racines des entiers jusqu a n =  132.3380013055275
2*sqrt(n) =  133.79088160259653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.80740430698758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.571228082851

n =  4476
somme des inverses des racines des entiers jusqu a n =  132.35294833741642
2*sqrt(n) =  133.80582946942184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.82212873509002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.58628766903774

n =  4477
somme des inverses des racines des entiers jusqu a n =  132.36789369989873
2*sqrt(n) =  133.82077566656082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.83685154341985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.6013455605813

n =  4478
somme des inverses des racines des entiers jusqu a n =  132.38283739353366
2*sqrt(n) =  133.83572019457287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.85157273251417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.6164017580522

n =  4479
somme des inverses des racines des entiers jusqu a n =  132.39777941888016
2*sqrt(n) =  133.85066305401702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.86629230290973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.63145626202066

n =  4480
somme des inverses des racines des entiers jusqu a n =  132.41271977649683
2*sqrt(n) =  133.8656042454521
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.88101025514307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.6465090730566

n =  4481
somme des inverses des racines des entiers jusqu a n =  132.42765846694198
2*sqrt(n) =  133.88054376943649
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.89572658975035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.66156019172956
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n =  4482
somme des inverses des racines des entiers jusqu a n =  132.44259549077358
2*sqrt(n) =  133.89548162652838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.91044130726752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.6766096186088

n =  4483
somme des inverses des racines des entiers jusqu a n =  132.4575308485493
2*sqrt(n) =  133.9104178172856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.92515440823017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.69165735426333

n =  4484
somme des inverses des racines des entiers jusqu a n =  132.47246454082654
2*sqrt(n) =  133.92535234226565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.9398658931736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.70670339926167

n =  4485
somme des inverses des racines des entiers jusqu a n =  132.48739656816232
2*sqrt(n) =  133.94028520202576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.95457576263287
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.7217477541722

n =  4486
somme des inverses des racines des entiers jusqu a n =  132.5023269311134
2*sqrt(n) =  133.9552163971228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.96928401714266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.73679041956288

n =  4487
somme des inverses des racines des entiers jusqu a n =  132.5172556302362
2*sqrt(n) =  133.9701459281134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.98399065723741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.7518313960014

n =  4488
somme des inverses des racines des entiers jusqu a n =  132.53218266608687
2*sqrt(n) =  133.9850737955538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  122.99869568345127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.76687068405505

n =  4489
somme des inverses des racines des entiers jusqu a n =  132.5471080392212
2*sqrt(n) =  134.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.01339909631807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.78190828429095

n =  4490
somme des inverses des racines des entiers jusqu a n =  132.5620317501947
2*sqrt(n) =  134.01492454200763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.02810089637134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.7969441972758

n =  4491
somme des inverses des racines des entiers jusqu a n =  132.57695379956257
2*sqrt(n) =  134.02984742213206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.04280108414433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.81197842357594

n =  4492
somme des inverses des racines des entiers jusqu a n =  132.59187418787968
2*sqrt(n) =  134.0447686409283
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.05749966016998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.82701096375746

n =  4493
somme des inverses des racines des entiers jusqu a n =  132.60679291570062
2*sqrt(n) =  134.05968819895114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.07219662498098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.8420418183862

n =  4494
somme des inverses des racines des entiers jusqu a n =  132.62170998357965
2*sqrt(n) =  134.07460609675496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.0868919791097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.8570709880276

n =  4495
somme des inverses des racines des entiers jusqu a n =  132.63662539207073
2*sqrt(n) =  134.08952233489387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.10158572308815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.87209847324672

n =  4496
somme des inverses des racines des entiers jusqu a n =  132.6515391417275
2*sqrt(n) =  134.1044369139217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.11627785744817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.88712427460845

n =  4497
somme des inverses des racines des entiers jusqu a n =  132.66645123310337
2*sqrt(n) =  134.1193498343919
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.13096838272119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.90214839267725

n =  4498
somme des inverses des racines des entiers jusqu a n =  132.68136166675131
2*sqrt(n) =  134.13426109685773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.14565729943847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.91717082801736

n =  4499
somme des inverses des racines des entiers jusqu a n =  132.69627044322408
2*sqrt(n) =  134.14917070187204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.16034460813087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.93219158119263

n =  4500
somme des inverses des racines des entiers jusqu a n =  132.71117756307407
2*sqrt(n) =  134.16407864998737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.17503030932897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.94721065276659

n =  4501
somme des inverses des racines des entiers jusqu a n =  132.72608302685342
2*sqrt(n) =  134.17898494175606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.18971440356313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.96222804330253

n =  4502
somme des inverses des racines des entiers jusqu a n =  132.74098683511394
2*sqrt(n) =  134.19388957773003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.20439689136336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.97724375336335

n =  4503
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somme des inverses des racines des entiers jusqu a n =  132.75588898840712
2*sqrt(n) =  134.20879255846094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.21907777325937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  138.99225778351172

n =  4504
somme des inverses des racines des entiers jusqu a n =  132.77078948728416
2*sqrt(n) =  134.22369388450014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.23375704978062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.0072701343099

n =  4505
somme des inverses des racines des entiers jusqu a n =  132.78568833229596
2*sqrt(n) =  134.23859355639868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.24843472145625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.02228080631988

n =  4506
somme des inverses des racines des entiers jusqu a n =  132.8005855239931
2*sqrt(n) =  134.25349157470728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.2631107888151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.03728980010337

n =  4507
somme des inverses des racines des entiers jusqu a n =  132.81548106292587
2*sqrt(n) =  134.2683879399764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.27778525238577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.05229711622172

n =  4508
somme des inverses des racines des entiers jusqu a n =  132.83037494964424
2*sqrt(n) =  134.28328265275616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.2924581126965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.06730275523597

n =  4509
somme des inverses des racines des entiers jusqu a n =  132.84526718469786
2*sqrt(n) =  134.29817571359635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.30712937027528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.0823067177069

n =  4510
somme des inverses des racines des entiers jusqu a n =  132.8601577686361
2*sqrt(n) =  134.31306712304652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.3217990256498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.09730900419487

n =  4511
somme des inverses des racines des entiers jusqu a n =  132.87504670200804
2*sqrt(n) =  134.32795688165587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.33646707934747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.11230961526005

n =  4512
somme des inverses des racines des entiers jusqu a n =  132.88993398536243
2*sqrt(n) =  134.34284498997332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.35113353189543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.12730855146225

n =  4513
somme des inverses des racines des entiers jusqu a n =  132.90481961924772
2*sqrt(n) =  134.35773144854747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.36579838382048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.14230581336096
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n =  4514
somme des inverses des racines des entiers jusqu a n =  132.91970360421203
2*sqrt(n) =  134.3726162579266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.38046163564913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.15730140151535

n =  4515
somme des inverses des racines des entiers jusqu a n =  132.93458594080323
2*sqrt(n) =  134.38749941865873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.39512328790765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.17229531648428

n =  4516
somme des inverses des racines des entiers jusqu a n =  132.9494666295689
2*sqrt(n) =  134.40238093129153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.40978334112198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.1872875588263

n =  4517
somme des inverses des racines des entiers jusqu a n =  132.9643456710562
2*sqrt(n) =  134.41726079637243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.42444179581783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.20227812909974

n =  4518
somme des inverses des racines des entiers jusqu a n =  132.97922306581214
2*sqrt(n) =  134.43213901444847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.43909865252053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.21726702786245

n =  4519
somme des inverses des racines des entiers jusqu a n =  132.99409881438328
2*sqrt(n) =  134.44701558606647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.4537539117552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.2322542556721

n =  4520
somme des inverses des racines des entiers jusqu a n =  133.008972917316
2*sqrt(n) =  134.46189051177288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.46840757404661
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.24723981308603

n =  4521
somme des inverses des racines des entiers jusqu a n =  133.0238453751563
2*sqrt(n) =  134.47676379211393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.48305963991933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.26222370066122

n =  4522
somme des inverses des racines des entiers jusqu a n =  133.03871618844994
2*sqrt(n) =  134.49163542763543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.49771010989753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.2772059189544

n =  4523
somme des inverses des racines des entiers jusqu a n =  133.05358535774232
2*sqrt(n) =  134.506505418883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.51235898450516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.29218646852192

n =  4524
somme des inverses des racines des entiers jusqu a n =  133.06845288357857
2*sqrt(n) =  134.5213737664019
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.52700626426589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.3071653499199

n =  4525
somme des inverses des racines des entiers jusqu a n =  133.0833187665035
2*sqrt(n) =  134.5362404707371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.5416519497031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.32214256370412

n =  4526
somme des inverses des racines des entiers jusqu a n =  133.09818300706166
2*sqrt(n) =  134.5511055324333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.55629604133982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.33711811043003

n =  4527
somme des inverses des racines des entiers jusqu a n =  133.11304560579725
2*sqrt(n) =  134.56596895203484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.57093853969889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.3520919906528

n =  4528
somme des inverses des racines des entiers jusqu a n =  133.1279065632542
2*sqrt(n) =  134.58083073008578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.58557944530277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.3670642049273

n =  4529
somme des inverses des racines des entiers jusqu a n =  133.1427658799761
2*sqrt(n) =  134.59569086712992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.6002187586737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.38203475380803

n =  4530
somme des inverses des racines des entiers jusqu a n =  133.1576235565063
2*sqrt(n) =  134.61054936371073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.61485648033366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.39700363784925

n =  4531
somme des inverses des racines des entiers jusqu a n =  133.17247959338783
2*sqrt(n) =  134.62540622037136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.62949261080422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.41197085760493

n =  4532
somme des inverses des racines des entiers jusqu a n =  133.1873339911634
2*sqrt(n) =  134.6402614376547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.64412715060679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.42693641362862

n =  4533
somme des inverses des racines des entiers jusqu a n =  133.2021867503754
2*sqrt(n) =  134.65511501610328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.65876010026244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.4419003064737

n =  4534
somme des inverses des racines des entiers jusqu a n =  133.217037871566
2*sqrt(n) =  134.6699669562594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.67339146029192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.45686253669314

n =  4535
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somme des inverses des racines des entiers jusqu a n =  133.23188735527697
2*sqrt(n) =  134.68481725866505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.68802123121581
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.47182310483967

n =  4536
somme des inverses des racines des entiers jusqu a n =  133.24673520204988
2*sqrt(n) =  134.6996659238619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.7026494135543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.48678201146566

n =  4537
somme des inverses des racines des entiers jusqu a n =  133.26158141242593
2*sqrt(n) =  134.7145129523913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.71727600782734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.50173925712326

n =  4538
somme des inverses des racines des entiers jusqu a n =  133.27642598694607
2*sqrt(n) =  134.72935834479432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.73190101455454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.51669484236422

n =  4539
somme des inverses des racines des entiers jusqu a n =  133.2912689261509
2*sqrt(n) =  134.7442021016118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.74652443425533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.53164876774002

n =  4540
somme des inverses des racines des entiers jusqu a n =  133.3061102305808
2*sqrt(n) =  134.75904422338414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.76114626744875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.54660103380184

n =  4541
somme des inverses des racines des entiers jusqu a n =  133.32094990077576
2*sqrt(n) =  134.77388471065157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.77576651465363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.56155164110055

n =  4542
somme des inverses des racines des entiers jusqu a n =  133.33578793727554
2*sqrt(n) =  134.78872356395397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.79038517638847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.57650059018673

n =  4543
somme des inverses des racines des entiers jusqu a n =  133.35062434061956
2*sqrt(n) =  134.80356078383093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.80500225317154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.59144788161063

n =  4544
somme des inverses des racines des entiers jusqu a n =  133.36545911134698
2*sqrt(n) =  134.81839637082174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.81961774552076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.60639351592224

n =  4545
somme des inverses des racines des entiers jusqu a n =  133.38029224999664
2*sqrt(n) =  134.8332303254654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.83423165395382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.62133749367118
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n =  4546
somme des inverses des racines des entiers jusqu a n =  133.39512375710711
2*sqrt(n) =  134.84806264830058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.8488439789881
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.63627981540682

n =  4547
somme des inverses des racines des entiers jusqu a n =  133.40995363321662
2*sqrt(n) =  134.86289333986574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.86345472114073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.65122048167822

n =  4548
somme des inverses des racines des entiers jusqu a n =  133.42478187886314
2*sqrt(n) =  134.87772240069893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.87806388092851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.66615949303414

n =  4549
somme des inverses des racines des entiers jusqu a n =  133.43960849458432
2*sqrt(n) =  134.892549831338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.892671458868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.68109685002298

n =  4550
somme des inverses des racines des entiers jusqu a n =  133.45443348091754
2*sqrt(n) =  134.90737563232042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.90727745547544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.6960325531929

n =  4551
somme des inverses des racines des entiers jusqu a n =  133.46925683839987
2*sqrt(n) =  134.92219980418344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.9218818712668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.71096660309175

n =  4552
somme des inverses des racines des entiers jusqu a n =  133.4840785675681
2*sqrt(n) =  134.937022347464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.93648470675784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.72589900026708

n =  4553
somme des inverses des racines des entiers jusqu a n =  133.4988986689587
2*sqrt(n) =  134.9518432626987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.95108596246392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.7408297452661

n =  4554
somme des inverses des racines des entiers jusqu a n =  133.51371714310784
2*sqrt(n) =  134.9666625504239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.96568563890023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.75575883863576

n =  4555
somme des inverses des racines des entiers jusqu a n =  133.52853399055144
2*sqrt(n) =  134.98148021117564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.98028373658158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.77068628092266

n =  4556
somme des inverses des racines des entiers jusqu a n =  133.54334921182507
2*sqrt(n) =  134.99629624548965
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  123.99488025602258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.7856120726732

n =  4557
somme des inverses des racines des entiers jusqu a n =  133.55816280746407
2*sqrt(n) =  135.01111065390137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.00947519773749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.8005362144333

n =  4558
somme des inverses des racines des entiers jusqu a n =  133.57297477800344
2*sqrt(n) =  135.025923436946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.02406856224036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.81545870674879

n =  4559
somme des inverses des racines des entiers jusqu a n =  133.5877851239779
2*sqrt(n) =  135.04073459515837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.03866035004494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.83037955016508

n =  4560
somme des inverses des racines des entiers jusqu a n =  133.6025938459219
2*sqrt(n) =  135.05554412907307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.05325056166464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.84529874522727

n =  4561
somme des inverses des racines des entiers jusqu a n =  133.6174009443695
2*sqrt(n) =  135.07035203922436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.06783919761267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.8602162924802

n =  4562
somme des inverses des racines des entiers jusqu a n =  133.6322064198546
2*sqrt(n) =  135.08515832614626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.08242625840192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.8751321924684

n =  4563
somme des inverses des racines des entiers jusqu a n =  133.64701027291076
2*sqrt(n) =  135.09996299037243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.09701174454503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.89004644573612

n =  4564
somme des inverses des racines des entiers jusqu a n =  133.6618125040712
2*sqrt(n) =  135.11476603243628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.11159565655431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.90495905282725

n =  4565
somme des inverses des racines des entiers jusqu a n =  133.67661311386888
2*sqrt(n) =  135.12956745287096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.1261779949419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.9198700142855

n =  4566
somme des inverses des racines des entiers jusqu a n =  133.6914121028365
2*sqrt(n) =  135.1443672522092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.14075876021947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.93477933065407

n =  4567
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somme des inverses des racines des entiers jusqu a n =  133.7062094715064
2*sqrt(n) =  135.15916543098362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.15533795289862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.9496870024761

n =  4568
somme des inverses des racines des entiers jusqu a n =  133.72100522041072
2*sqrt(n) =  135.17396198972642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.16991557349058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.96459303029434

n =  4569
somme des inverses des racines des entiers jusqu a n =  133.7357993500812
2*sqrt(n) =  135.1887569289695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.18449162250623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.97949741465112

n =  4570
somme des inverses des racines des entiers jusqu a n =  133.7505918610494
2*sqrt(n) =  135.20355024924456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.1990661004563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  139.9944001560887

n =  4571
somme des inverses des racines des entiers jusqu a n =  133.7653827538465
2*sqrt(n) =  135.21834195108295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.21363900785121
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.0093012551488

n =  4572
somme des inverses des racines des entiers jusqu a n =  133.78017202900344
2*sqrt(n) =  135.23313203501573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.22821034520103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.02420071237307

n =  4573
somme des inverses des racines des entiers jusqu a n =  133.79495968705083
2*sqrt(n) =  135.2479205015737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.24278011301566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.03909852830273

n =  4574
somme des inverses des racines des entiers jusqu a n =  133.80974572851906
2*sqrt(n) =  135.26270735128733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.2573483118046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.05399470347868

n =  4575
somme des inverses des racines des entiers jusqu a n =  133.82453015393816
2*sqrt(n) =  135.27749258468683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.2719149420772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.06888923844164

n =  4576
somme des inverses des racines des entiers jusqu a n =  133.83931296383787
2*sqrt(n) =  135.2922762023021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.28648000434248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.08378213373192

n =  4577
somme des inverses des racines des entiers jusqu a n =  133.8540941587477
2*sqrt(n) =  135.30705820466278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.30104349910914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.0986733898896
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n =  4578
somme des inverses des racines des entiers jusqu a n =  133.86887373919683
2*sqrt(n) =  135.32183859229818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.31560542688567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.11356300745442

n =  4579
somme des inverses des racines des entiers jusqu a n =  133.88365170571416
2*sqrt(n) =  135.33661736573734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.33016578818025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.12845098696587

n =  4580
somme des inverses des racines des entiers jusqu a n =  133.8984280588283
2*sqrt(n) =  135.35139452550905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.34472458350082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.14333732896316

n =  4581
somme des inverses des racines des entiers jusqu a n =  133.91320279906756
2*sqrt(n) =  135.36617007214173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.35928181335498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.15822203398508

n =  4582
somme des inverses des racines des entiers jusqu a n =  133.92797592696
2*sqrt(n) =  135.3809440061636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.37383747825015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.1731051025703

n =  4583
somme des inverses des racines des entiers jusqu a n =  133.9427474430333
2*sqrt(n) =  135.39571632810248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.38839157869336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.18798653525704

n =  4584
somme des inverses des racines des entiers jusqu a n =  133.95751734781498
2*sqrt(n) =  135.41048703848605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.40294411519149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.20286633258334

n =  4585
somme des inverses des racines des entiers jusqu a n =  133.9722856418322
2*sqrt(n) =  135.4252561378416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.41749508825103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.21774449508686

n =  4586
somme des inverses des racines des entiers jusqu a n =  133.9870523256118
2*sqrt(n) =  135.4400236266961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.43204449837826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.23262102330503

n =  4587
somme des inverses des racines des entiers jusqu a n =  134.00181739968045
2*sqrt(n) =  135.45478950557637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.4465923460792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.24749591777496

n =  4588
somme des inverses des racines des entiers jusqu a n =  134.0165808645644
2*sqrt(n) =  135.4695537750088
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.46113863185954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.2623691790334

n =  4589
somme des inverses des racines des entiers jusqu a n =  134.03134272078967
2*sqrt(n) =  135.4843164355196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.47568335622476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.277240807617

n =  4590
somme des inverses des racines des entiers jusqu a n =  134.046102968882
2*sqrt(n) =  135.49907748763457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.49022651967998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.29211080406185

n =  4591
somme des inverses des racines des entiers jusqu a n =  134.06086160936684
2*sqrt(n) =  135.51383693187938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.50476812273017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.30697916890398

n =  4592
somme des inverses des racines des entiers jusqu a n =  134.07561864276937
2*sqrt(n) =  135.52859476877933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.51930816587993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.32184590267903

n =  4593
somme des inverses des racines des entiers jusqu a n =  134.09037406961446
2*sqrt(n) =  135.5433509988594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.53384664963362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.3367110059223

n =  4594
somme des inverses des racines des entiers jusqu a n =  134.10512789042667
2*sqrt(n) =  135.55810562264435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.5483835744953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.35157447916887

n =  4595
somme des inverses des racines des entiers jusqu a n =  134.11988010573035
2*sqrt(n) =  135.5728586406586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.56291894096883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.3664363229535

n =  4596
somme des inverses des racines des entiers jusqu a n =  134.1346307160495
2*sqrt(n) =  135.58761005342635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.57745274955771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.38129653781067

n =  4597
somme des inverses des racines des entiers jusqu a n =  134.14937972190782
2*sqrt(n) =  135.60235986147143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.5919850007652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.39615512427454

n =  4598
somme des inverses des racines des entiers jusqu a n =  134.1641271238288
2*sqrt(n) =  135.6171080653175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.60651569509437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.41101208287904

n =  4599
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somme des inverses des racines des entiers jusqu a n =  134.1788729223356
2*sqrt(n) =  135.6318546654878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.62104483304788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.42586741415775

n =  4600
somme des inverses des racines des entiers jusqu a n =  134.19361711795108
2*sqrt(n) =  135.64659966250537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.63557241512818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.44072111864395

n =  4601
somme des inverses des racines des entiers jusqu a n =  134.20835971119786
2*sqrt(n) =  135.66134305689297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.65009844183751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.45557319687072

n =  4602
somme des inverses des racines des entiers jusqu a n =  134.22310070259826
2*sqrt(n) =  135.67608484917304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.66462291367773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.4704236493707

n =  4603
somme des inverses des racines des entiers jusqu a n =  134.23784009267428
2*sqrt(n) =  135.69082503986775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.6791458311505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.48527247667636

n =  4604
somme des inverses des racines des entiers jusqu a n =  134.25257788194767
2*sqrt(n) =  135.70556362949898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.69366719475721
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.50011967931985

n =  4605
somme des inverses des racines des entiers jusqu a n =  134.26731407093993
2*sqrt(n) =  135.72030061858837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.70818700499896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.51496525783307

n =  4606
somme des inverses des racines des entiers jusqu a n =  134.2820486601722
2*sqrt(n) =  135.73503600765721
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.72270526237659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.52980921274752

n =  4607
somme des inverses des racines des entiers jusqu a n =  134.29678165016537
2*sqrt(n) =  135.74976979722655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.73722196739064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.5446515445945

n =  4608
somme des inverses des racines des entiers jusqu a n =  134.3115130414401
2*sqrt(n) =  135.7645019878171
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.75173712054139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.55949225390498

n =  4609
somme des inverses des racines des entiers jusqu a n =  134.32624283451668
2*sqrt(n) =  135.77923257994942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.76625072232892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.57433134120967
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n =  4610
somme des inverses des racines des entiers jusqu a n =  134.34097102991518
2*sqrt(n) =  135.79396157414365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.78076277325296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.589168807039

n =  4611
somme des inverses des racines des entiers jusqu a n =  134.35569762815535
2*sqrt(n) =  135.8086889709197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.795273273813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.60400465192305

n =  4612
somme des inverses des racines des entiers jusqu a n =  134.3704226297567
2*sqrt(n) =  135.82341477079717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.80978222450823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.61883887639164

n =  4613
somme des inverses des racines des entiers jusqu a n =  134.3851460352384
2*sqrt(n) =  135.83813897429545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.82428962583764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.63367148097436

n =  4614
somme des inverses des racines des entiers jusqu a n =  134.3998678451194
2*sqrt(n) =  135.85286158193355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.83879547829986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.6485024662004

n =  4615
somme des inverses des racines des entiers jusqu a n =  134.41458805991832
2*sqrt(n) =  135.86758259423033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.85329978239338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.6633318325988

n =  4616
somme des inverses des racines des entiers jusqu a n =  134.42930668015356
2*sqrt(n) =  135.88230201170424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.8678025386163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.6781595806982

n =  4617
somme des inverses des racines des entiers jusqu a n =  134.44402370634316
2*sqrt(n) =  135.8970198348735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.88230374746652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.692985711027

n =  4618
somme des inverses des racines des entiers jusqu a n =  134.45873913900493
2*sqrt(n) =  135.91173606425605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.89680340944162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.70781022411327

n =  4619
somme des inverses des racines des entiers jusqu a n =  134.4734529786564
2*sqrt(n) =  135.92645070036957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.91130152503897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.72263312048486

n =  4620
somme des inverses des racines des entiers jusqu a n =  134.4881652258148
2*sqrt(n) =  135.94116374373144
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.92579809475566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.73745440066932

n =  4621
somme des inverses des racines des entiers jusqu a n =  134.50287588099712
2*sqrt(n) =  135.95587519485872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.94029311908847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.75227406519386

n =  4622
somme des inverses des racines des entiers jusqu a n =  134.51758494472
2*sqrt(n) =  135.97058505426827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.95478659853394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.76709211458544

n =  4623
somme des inverses des racines des entiers jusqu a n =  134.53229241749986
2*sqrt(n) =  135.9852933224766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.96927853358838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.7819085493707

n =  4624
somme des inverses des racines des entiers jusqu a n =  134.5469982998528
2*sqrt(n) =  136.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.98376892474779
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.7967233700761

n =  4625
somme des inverses des racines des entiers jusqu a n =  134.56170259229467
2*sqrt(n) =  136.01470508735443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  124.99825777250791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.81153657722768

n =  4626
somme des inverses des racines des entiers jusqu a n =  134.57640529534103
2*sqrt(n) =  136.02940858505562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.01274507736424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.8263481713513

n =  4627
somme des inverses des racines des entiers jusqu a n =  134.59110640950718
2*sqrt(n) =  136.04411049361894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.02723083981195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.84115815297244

n =  4628
somme des inverses des racines des entiers jusqu a n =  134.60580593530813
2*sqrt(n) =  136.0588108135596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.04171506034604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.85596652261637

n =  4629
somme des inverses des racines des entiers jusqu a n =  134.6205038732586
2*sqrt(n) =  136.07350954539243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.05619773946115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.87077328080807

n =  4630
somme des inverses des racines des entiers jusqu a n =  134.63520022387303
2*sqrt(n) =  136.088206689632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.07067887765172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.88557842807214

n =  4631
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somme des inverses des racines des entiers jusqu a n =  134.6498949876656
2*sqrt(n) =  136.10290224679267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.08515847541192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.90038196493305

n =  4632
somme des inverses des racines des entiers jusqu a n =  134.6645881651502
2*sqrt(n) =  136.11759621738844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.09963653323561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.91518389191484

n =  4633
somme des inverses des racines des entiers jusqu a n =  134.67927975684046
2*sqrt(n) =  136.13228860193308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.11411305161644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.9299842095414

n =  4634
somme des inverses des racines des entiers jusqu a n =  134.6939697632497
2*sqrt(n) =  136.14697940094007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.12858803104776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.94478291833622

n =  4635
somme des inverses des racines des entiers jusqu a n =  134.708658184891
2*sqrt(n) =  136.1616686149226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.14306147202265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.95958001882258

n =  4636
somme des inverses des racines des entiers jusqu a n =  134.72334502227716
2*sqrt(n) =  136.17635624439362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.15753337503398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.97437551152342

n =  4637
somme des inverses des racines des entiers jusqu a n =  134.73803027592066
2*sqrt(n) =  136.19104228986575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.1720037405743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  140.98916939696147

n =  4638
somme des inverses des racines des entiers jusqu a n =  134.75271394633376
2*sqrt(n) =  136.20572675185136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.18647256913589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.0039616756591

n =  4639
somme des inverses des racines des entiers jusqu a n =  134.7673960340284
2*sqrt(n) =  136.22040963086258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.20093986121084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.01875234813843

n =  4640
somme des inverses des racines des entiers jusqu a n =  134.78207653951625
2*sqrt(n) =  136.23509092741122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.21540561729093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.03354141492136

n =  4641
somme des inverses des racines des entiers jusqu a n =  134.79675546330876
2*sqrt(n) =  136.2497706420088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.22986983786762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.04832887652938
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n =  4642
somme des inverses des racines des entiers jusqu a n =  134.81143280591704
2*sqrt(n) =  136.26444877516658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.2443325234322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.06311473348376

n =  4643
somme des inverses des racines des entiers jusqu a n =  134.82610856785192
2*sqrt(n) =  136.2791253273956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.25879367447568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.07789898630557

n =  4644
somme des inverses des racines des entiers jusqu a n =  134.84078274962403
2*sqrt(n) =  136.29380029920657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.27325329148879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.09268163551545

n =  4645
somme des inverses des racines des entiers jusqu a n =  134.85545535174361
2*sqrt(n) =  136.3084736911099
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.28771137496196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.10746268163385

n =  4646
somme des inverses des racines des entiers jusqu a n =  134.87012637472077
2*sqrt(n) =  136.3231455036158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.30216792538545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.12224212518097

n =  4647
somme des inverses des racines des entiers jusqu a n =  134.8847958190652
2*sqrt(n) =  136.3378157372341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.31662294324914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.1370199666766

n =  4648
somme des inverses des racines des entiers jusqu a n =  134.89946368528643
2*sqrt(n) =  136.35248439247448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.33107642904274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.15179620664034

n =  4649
somme des inverses des racines des entiers jusqu a n =  134.91412997389364
2*sqrt(n) =  136.36715146984628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.3455283832557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.16657084559156

n =  4650
somme des inverses des racines des entiers jusqu a n =  134.9287946853958
2*sqrt(n) =  136.38181696985856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.35997880637717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.18134388404926

n =  4651
somme des inverses des racines des entiers jusqu a n =  134.94345782030152
2*sqrt(n) =  136.3964808930201
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.37442769889601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.19611532253217

n =  4652
somme des inverses des racines des entiers jusqu a n =  134.9581193791192
2*sqrt(n) =  136.41114323983948
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.38887506130092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.21088516155874

n =  4653
somme des inverses des racines des entiers jusqu a n =  134.972779362357
2*sqrt(n) =  136.42580401082486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.40332089408022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.22565340164718

n =  4654
somme des inverses des racines des entiers jusqu a n =  134.98743777052272
2*sqrt(n) =  136.4404632064843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.41776519772208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.24042004331542

n =  4655
somme des inverses des racines des entiers jusqu a n =  135.00209460412393
2*sqrt(n) =  136.4551208273255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.43220797271434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.25518508708106

n =  4656
somme des inverses des racines des entiers jusqu a n =  135.01674986366794
2*sqrt(n) =  136.46977687385584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.44664921954455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.26994853346147

n =  4657
somme des inverses des racines des entiers jusqu a n =  135.03140354966177
2*sqrt(n) =  136.48443134658254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.46108893870016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.2847103829737

n =  4658
somme des inverses des racines des entiers jusqu a n =  135.0460556626122
2*sqrt(n) =  136.49908424601244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.47552713066815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.29947063613457

n =  4659
somme des inverses des racines des entiers jusqu a n =  135.06070620302566
2*sqrt(n) =  136.51373557265217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.48996379593538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.31422929346056

n =  4660
somme des inverses des racines des entiers jusqu a n =  135.07535517140838
2*sqrt(n) =  136.5283853270081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.50439893498842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.32898635546795

n =  4661
somme des inverses des racines des entiers jusqu a n =  135.0900025682663
2*sqrt(n) =  136.54303350958628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.51883254831355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.34374182267265

n =  4662
somme des inverses des racines des entiers jusqu a n =  135.10464839410508
2*sqrt(n) =  136.5576801208925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.53326463639681
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.35849569559036

n =  4663
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somme des inverses des racines des entiers jusqu a n =  135.11929264943012
2*sqrt(n) =  136.57232516143233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.54769519972402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.3732479747365

n =  4664
somme des inverses des racines des entiers jusqu a n =  135.13393533474655
2*sqrt(n) =  136.586968631711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.56212423878065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.38799866062615

n =  4665
somme des inverses des racines des entiers jusqu a n =  135.14857645055923
2*sqrt(n) =  136.60161053223348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.57655175405205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.4027477537742

n =  4666
somme des inverses des racines des entiers jusqu a n =  135.16321599737273
2*sqrt(n) =  136.61625086350452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.59097774602316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.4174952546952

n =  4667
somme des inverses des racines des entiers jusqu a n =  135.17785397569136
2*sqrt(n) =  136.63088962602856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.60540221517874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.43224116390346

n =  4668
somme des inverses des racines des entiers jusqu a n =  135.19249038601916
2*sqrt(n) =  136.64552682030978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.61982516200334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.446985481913

n =  4669
somme des inverses des racines des entiers jusqu a n =  135.2071252288599
2*sqrt(n) =  136.66016244685207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.63424658698113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.46172820923752

n =  4670
somme des inverses des racines des entiers jusqu a n =  135.2217585047171
2*sqrt(n) =  136.6747965061591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.64866649059618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.4764693463906

n =  4671
somme des inverses des racines des entiers jusqu a n =  135.23639021409397
2*sqrt(n) =  136.6894289987342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.66308487333211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.49120889388524

n =  4672
somme des inverses des racines des entiers jusqu a n =  135.2510203574935
2*sqrt(n) =  136.7040599250805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.67750173567242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.5059468522345

n =  4673
somme des inverses des racines des entiers jusqu a n =  135.26564893541837
2*sqrt(n) =  136.7186892857008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.69191707810037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.520683221951
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n =  4674
somme des inverses des racines des entiers jusqu a n =  135.28027594837098
2*sqrt(n) =  136.73331708109768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.70633090109888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.53541800354708

n =  4675
somme des inverses des racines des entiers jusqu a n =  135.29490139685353
2*sqrt(n) =  136.74794331177344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.72074320515065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.55015119753483

n =  4676
somme des inverses des racines des entiers jusqu a n =  135.30952528136788
2*sqrt(n) =  136.76256797823007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.73515399073813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.56488280442605

n =  4677
somme des inverses des racines des entiers jusqu a n =  135.32414760241568
2*sqrt(n) =  136.77719108096935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.74956325834347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.5796128247323

n =  4678
somme des inverses des racines des entiers jusqu a n =  135.33876836049825
2*sqrt(n) =  136.79181262049275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.76397100844864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.59434125896482

n =  4679
somme des inverses des racines des entiers jusqu a n =  135.35338755611667
2*sqrt(n) =  136.8064325973015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.77837724153528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.60906810763458

n =  4680
somme des inverses des racines des entiers jusqu a n =  135.3680051897718
2*sqrt(n) =  136.82105101189657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.79278195808487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.62379337125242

n =  4681
somme des inverses des racines des entiers jusqu a n =  135.38262126196415
2*sqrt(n) =  136.8356678647786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.80718515857853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.63851705032863

n =  4682
somme des inverses des racines des entiers jusqu a n =  135.397235773194
2*sqrt(n) =  136.85028315644803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.82158684349719
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.65323914537345

n =  4683
somme des inverses des racines des entiers jusqu a n =  135.4118487239614
2*sqrt(n) =  136.864896887405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.83598701332147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.66795965689676

n =  4684
somme des inverses des racines des entiers jusqu a n =  135.4264601147661
2*sqrt(n) =  136.87950905814938
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.85038566853177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.68267858540818

n =  4685
somme des inverses des racines des entiers jusqu a n =  135.44106994610752
2*sqrt(n) =  136.8941196691808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.8647828096083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.69739593141708

n =  4686
somme des inverses des racines des entiers jusqu a n =  135.4556782184849
2*sqrt(n) =  136.90872872099865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.87917843703093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.71211169543253

n =  4687
somme des inverses des racines des entiers jusqu a n =  135.47028493239722
2*sqrt(n) =  136.92333621410194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.89357255127925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.72682587796328

n =  4688
somme des inverses des racines des entiers jusqu a n =  135.48489008834315
2*sqrt(n) =  136.93794214898952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.90796515283267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.74153847951794

n =  4689
somme des inverses des racines des entiers jusqu a n =  135.4994936868211
2*sqrt(n) =  136.95254652615992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.92235624217034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.7562495006047

n =  4690
somme des inverses des racines des entiers jusqu a n =  135.5140957283292
2*sqrt(n) =  136.96714934611146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.93674581977115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.7709589417316

n =  4691
somme des inverses des racines des entiers jusqu a n =  135.52869621336538
2*sqrt(n) =  136.98175060934213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.95113388611367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.78566680340634

n =  4692
somme des inverses des racines des entiers jusqu a n =  135.5432951424272
2*sqrt(n) =  136.99635031634966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.96552044167629
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.80037308613635

n =  4693
somme des inverses des racines des entiers jusqu a n =  135.5578925160121
2*sqrt(n) =  137.0109484676316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.97990548693718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.8150777904288

n =  4694
somme des inverses des racines des entiers jusqu a n =  135.57248833461708
2*sqrt(n) =  137.02554506368512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  125.99428902237415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.82978091679058

n =  4695
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somme des inverses des racines des entiers jusqu a n =  135.58708259873902
2*sqrt(n) =  137.0401401050072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.00867104846483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.84448246572836

n =  4696
somme des inverses des racines des entiers jusqu a n =  135.60167530887446
2*sqrt(n) =  137.05473359209452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.02305156568659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.85918243774847

n =  4697
somme des inverses des racines des entiers jusqu a n =  135.61626646551971
2*sqrt(n) =  137.0693255254435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.03743057451652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.873880833357

n =  4698
somme des inverses des racines des entiers jusqu a n =  135.6308560691708
2*sqrt(n) =  137.08391590555036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.0518080754315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.88857765305977

n =  4699
somme des inverses des racines des entiers jusqu a n =  135.64544412032348
2*sqrt(n) =  137.09850473291092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.06618406890811
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.90327289736234

n =  4700
somme des inverses des racines des entiers jusqu a n =  135.66003061947328
2*sqrt(n) =  137.11309200802089
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.08055855542273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.91796656676996

n =  4701
somme des inverses des racines des entiers jusqu a n =  135.6746155671154
2*sqrt(n) =  137.1276777313756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.09493153545148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.93265866178766

n =  4702
somme des inverses des racines des entiers jusqu a n =  135.68919896374487
2*sqrt(n) =  137.14226190347014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.10930300947012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.94734918292014

n =  4703
somme des inverses des racines des entiers jusqu a n =  135.70378080985637
2*sqrt(n) =  137.15684452479942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.12367297795439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.96203813067194

n =  4704
somme des inverses des racines des entiers jusqu a n =  135.71836110594435
2*sqrt(n) =  137.17142559585798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.13804144137953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.97672550554722

n =  4705
somme des inverses des racines des entiers jusqu a n =  135.73293985250302
2*sqrt(n) =  137.18600511714013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.15240840022065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  141.99141130804986
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n =  4706
somme des inverses des racines des entiers jusqu a n =  135.74751705002632
2*sqrt(n) =  137.20058308913997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.16677385495265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.0060955386836

n =  4707
somme des inverses des racines des entiers jusqu a n =  135.76209269900787
2*sqrt(n) =  137.21515951235125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.18113780605012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.0207781979518

n =  4708
somme des inverses des racines des entiers jusqu a n =  135.7766667999411
2*sqrt(n) =  137.22973438726754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.19550025398738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.03545928635762

n =  4709
somme des inverses des racines des entiers jusqu a n =  135.79123935331913
2*sqrt(n) =  137.2443077143821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.20986119923856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.05013880440387

n =  4710
somme des inverses des racines des entiers jusqu a n =  135.80581035963485
2*sqrt(n) =  137.2588794941879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.22422064227746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.06481675259315

n =  4711
somme des inverses des racines des entiers jusqu a n =  135.8203798193809
2*sqrt(n) =  137.27344972717776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.23857858357772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.07949313142777

n =  4712
somme des inverses des racines des entiers jusqu a n =  135.8349477330496
2*sqrt(n) =  137.2880184138441
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.25293502361268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.0941679414098

n =  4713
somme des inverses des racines des entiers jusqu a n =  135.84951410113305
2*sqrt(n) =  137.30258555467918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.26728996285544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.10884118304105

n =  4714
somme des inverses des racines des entiers jusqu a n =  135.8640789241231
2*sqrt(n) =  137.31715115017496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.2816434017789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.123512856823

n =  4715
somme des inverses des racines des entiers jusqu a n =  135.87864220251132
2*sqrt(n) =  137.33171520082314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.2959953408556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.13818296325692

n =  4716
somme des inverses des racines des entiers jusqu a n =  135.893203936789
2*sqrt(n) =  137.34627770711518
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.31034578055792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.15285150284382

n =  4717
somme des inverses des racines des entiers jusqu a n =  135.90776412744722
2*sqrt(n) =  137.3608386695422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.32469472135796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.16751847608433

n =  4718
somme des inverses des racines des entiers jusqu a n =  135.92232277497675
2*sqrt(n) =  137.37539808859518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.33904216372756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.18218388347898

n =  4719
somme des inverses des racines des entiers jusqu a n =  135.93687987986812
2*sqrt(n) =  137.38995596476477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.35338810813838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.19684772552796

n =  4720
somme des inverses des racines des entiers jusqu a n =  135.9514354426116
2*sqrt(n) =  137.40451229854133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.36773255506174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.21151000273113

n =  4721
somme des inverses des racines des entiers jusqu a n =  135.9659894636972
2*sqrt(n) =  137.41906709041507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.38207550496878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.2261707155882

n =  4722
somme des inverses des racines des entiers jusqu a n =  135.98054194361472
2*sqrt(n) =  137.43362034087585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.3964169583304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.24082986459857

n =  4723
somme des inverses des racines des entiers jusqu a n =  135.9950928828536
2*sqrt(n) =  137.44817205041323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.41075691561713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.25548745026128

n =  4724
somme des inverses des racines des entiers jusqu a n =  136.0096422819031
2*sqrt(n) =  137.46272221951665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.42509537729941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.27014347307528

n =  4725
somme des inverses des racines des entiers jusqu a n =  136.02419014125218
2*sqrt(n) =  137.4772708486752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.43943234384736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.28479793353912

n =  4726
somme des inverses des racines des entiers jusqu a n =  136.03873646138953
2*sqrt(n) =  137.4918179383777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.45376781573086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.2994508321511

n =  4727
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somme des inverses des racines des entiers jusqu a n =  136.05328124280365
2*sqrt(n) =  137.50636348911274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.46810179341952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.31410216940935

n =  4728
somme des inverses des racines des entiers jusqu a n =  136.06782448598273
2*sqrt(n) =  137.52090750136867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.48243427738274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.32875194581163

n =  4729
somme des inverses des racines des entiers jusqu a n =  136.0823661914147
2*sqrt(n) =  137.53544997563355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.49676526808969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.3434001618555

n =  4730
somme des inverses des racines des entiers jusqu a n =  136.09690635958725
2*sqrt(n) =  137.5499909123952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.51109476600922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.3580468180382

n =  4731
somme des inverses des racines des entiers jusqu a n =  136.11144499098782
2*sqrt(n) =  137.56453031214116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.52542277161001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.37269191485672

n =  4732
somme des inverses des racines des entiers jusqu a n =  136.12598208610356
2*sqrt(n) =  137.5790681753587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.53974928536044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.38733545280786

n =  4733
somme des inverses des racines des entiers jusqu a n =  136.1405176454214
2*sqrt(n) =  137.59360450253493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.55407430772868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.40197743238804

n =  4734
somme des inverses des racines des entiers jusqu a n =  136.15505166942796
2*sqrt(n) =  137.6081392941566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.56839783918267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.41661785409354

n =  4735
somme des inverses des racines des entiers jusqu a n =  136.16958415860967
2*sqrt(n) =  137.62267255071018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.58271988019001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.43125671842026

n =  4736
somme des inverses des racines des entiers jusqu a n =  136.18411511345263
2*sqrt(n) =  137.63720427268203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.5970404312182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.44589402586394

n =  4737
somme des inverses des racines des entiers jusqu a n =  136.19864453444276
2*sqrt(n) =  137.65173446055812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.61135949273438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.46052977692
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n =  4738
somme des inverses des racines des entiers jusqu a n =  136.2131724220657
2*sqrt(n) =  137.66626311482418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.62567706520545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.47516397208355

n =  4739
somme des inverses des racines des entiers jusqu a n =  136.2276987768068
2*sqrt(n) =  137.68079023596573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.63999314909816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.48979661184953

n =  4740
somme des inverses des racines des entiers jusqu a n =  136.24222359915115
2*sqrt(n) =  137.69531582446805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.65430774487893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.5044276967126

n =  4741
somme des inverses des racines des entiers jusqu a n =  136.25674688958364
2*sqrt(n) =  137.70983988081608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.66862085301398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.51905722716714

n =  4742
somme des inverses des racines des entiers jusqu a n =  136.27126864858886
2*sqrt(n) =  137.72436240549456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.6829324739692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.53368520370722

n =  4743
somme des inverses des racines des entiers jusqu a n =  136.28578887665117
2*sqrt(n) =  137.73888339898795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.69724260821039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.54831162682675

n =  4744
somme des inverses des racines des entiers jusqu a n =  136.30030757425465
2*sqrt(n) =  137.7534028617805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.71155125620294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.56293649701928

n =  4745
somme des inverses des racines des entiers jusqu a n =  136.31482474188314
2*sqrt(n) =  137.7679207943562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.72585841841217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.5775598147782

n =  4746
somme des inverses des racines des entiers jusqu a n =  136.32934038002023
2*sqrt(n) =  137.78243719719867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.74016409530296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.59218158059653

n =  4747
somme des inverses des racines des entiers jusqu a n =  136.34385448914924
2*sqrt(n) =  137.79695207079146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.75446828734016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.6068017949671

n =  4748
somme des inverses des racines des entiers jusqu a n =  136.35836706975323
2*sqrt(n) =  137.81146541561773
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.76877099498819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.62142045838252

n =  4749
somme des inverses des racines des entiers jusqu a n =  136.37287812231506
2*sqrt(n) =  137.8259772321604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.78307221871128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.63603757133495

n =  4750
somme des inverses des racines des entiers jusqu a n =  136.38738764731727
2*sqrt(n) =  137.84048752090223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.79737195897354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.65065313431657

n =  4751
somme des inverses des racines des entiers jusqu a n =  136.40189564524215
2*sqrt(n) =  137.85499628232557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.81167021623867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.66526714781904

n =  4752
somme des inverses des racines des entiers jusqu a n =  136.4164021165718
2*sqrt(n) =  137.8695035169127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.82596699097022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.67987961233393

n =  4753
somme des inverses des racines des entiers jusqu a n =  136.430907061788
2*sqrt(n) =  137.88400922514546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.84026228363146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.69449052835247

n =  4754
somme des inverses des racines des entiers jusqu a n =  136.44541048137228
2*sqrt(n) =  137.8985134075056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.85455609468545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.70909989636564

n =  4755
somme des inverses des racines des entiers jusqu a n =  136.45991237580597
2*sqrt(n) =  137.9130160644745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.86884842459503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.72370771686425

n =  4756
somme des inverses des racines des entiers jusqu a n =  136.4744127455701
2*sqrt(n) =  137.92751719653333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.88313927382265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.73831399033867

n =  4757
somme des inverses des racines des entiers jusqu a n =  136.4889115911455
2*sqrt(n) =  137.94201680416305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.89742864283076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.7529187172792

n =  4758
somme des inverses des racines des entiers jusqu a n =  136.50340891301266
2*sqrt(n) =  137.95651488784426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.91171653208136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.76752189817572

n =  4759
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somme des inverses des racines des entiers jusqu a n =  136.51790471165188
2*sqrt(n) =  137.97101144805745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.92600294203635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.78212353351802

n =  4760
somme des inverses des racines des entiers jusqu a n =  136.5323989875432
2*sqrt(n) =  137.9855064852827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.94028787315725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.79672362379543

n =  4761
somme des inverses des racines des entiers jusqu a n =  136.54689174116638
2*sqrt(n) =  138.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.95457132590548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.81132216949726

n =  4762
somme des inverses des racines des entiers jusqu a n =  136.56138297300097
2*sqrt(n) =  138.01449199268893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.96885330074213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.82591917111233

n =  4763
somme des inverses des racines des entiers jusqu a n =  136.57587268352626
2*sqrt(n) =  138.02898246382895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.98313379812811
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.8405146291294

n =  4764
somme des inverses des racines des entiers jusqu a n =  136.59036087322124
2*sqrt(n) =  138.04347141389917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  126.99741281852397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.85510854403677

n =  4765
somme des inverses des racines des entiers jusqu a n =  136.60484754256473
2*sqrt(n) =  138.05795884337854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.01169036239025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.8697009163227

n =  4766
somme des inverses des racines des entiers jusqu a n =  136.61933269203521
2*sqrt(n) =  138.07244475274564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.02596643018697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.884291746475

n =  4767
somme des inverses des racines des entiers jusqu a n =  136.633816322111
2*sqrt(n) =  138.08692914247894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.04024102237412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.89888103498134

n =  4768
somme des inverses des racines des entiers jusqu a n =  136.64829843327007
2*sqrt(n) =  138.10141201305655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.05451413941137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.91346878232915

n =  4769
somme des inverses des racines des entiers jusqu a n =  136.66277902599023
2*sqrt(n) =  138.11589336495638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.06878578175815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.9280549890055
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n =  4770
somme des inverses des racines des entiers jusqu a n =  136.67725810074901
2*sqrt(n) =  138.13037319865606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.08305594987368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.94263965549726

n =  4771
somme des inverses des racines des entiers jusqu a n =  136.69173565802365
2*sqrt(n) =  138.144851514633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.09732464421688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.95722278229104

n =  4772
somme des inverses des racines des entiers jusqu a n =  136.70621169829118
2*sqrt(n) =  138.15932831336434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.11159186524654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.97180436987324

n =  4773
somme des inverses des racines des entiers jusqu a n =  136.72068622202838
2*sqrt(n) =  138.173803595327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.12585761342112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  142.98638441872995

n =  4774
somme des inverses des racines des entiers jusqu a n =  136.73515922971177
2*sqrt(n) =  138.1882773609976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.14012188919884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.000962929347

n =  4775
somme des inverses des racines des entiers jusqu a n =  136.74963072181762
2*sqrt(n) =  138.20274961085252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.15438469303768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.01553990220992

n =  4776
somme des inverses des racines des entiers jusqu a n =  136.76410069882195
2*sqrt(n) =  138.21722034536796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.16864602539553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.03011533780418

n =  4777
somme des inverses des racines des entiers jusqu a n =  136.77856916120052
2*sqrt(n) =  138.2316895650198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.18290588672983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.04468923661477

n =  4778
somme des inverses des racines des entiers jusqu a n =  136.7930361094289
2*sqrt(n) =  138.24615727028365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.1971642774979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.05926159912653

n =  4779
somme des inverses des racines des entiers jusqu a n =  136.8075015439823
2*sqrt(n) =  138.26062346163494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.21142119815678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.073832425824

n =  4780
somme des inverses des racines des entiers jusqu a n =  136.8219654653358
2*sqrt(n) =  138.27508813954884
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.22567664916335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.0884017171916

n =  4781
somme des inverses des racines des entiers jusqu a n =  136.83642787396417
2*sqrt(n) =  138.28955130450024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.23993063097413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.10296947371327

n =  4782
somme des inverses des racines des entiers jusqu a n =  136.85088877034192
2*sqrt(n) =  138.30401295696376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.2541831440455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.1175356958729

n =  4783
somme des inverses des racines des entiers jusqu a n =  136.86534815494338
2*sqrt(n) =  138.31847309741386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.26843418883357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.132100384154

n =  4784
somme des inverses des racines des entiers jusqu a n =  136.87980602824254
2*sqrt(n) =  138.33293172632466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.28268376579419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.14666353903988

n =  4785
somme des inverses des racines des entiers jusqu a n =  136.8942623907132
2*sqrt(n) =  138.3473888441701
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.29693187538305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.16122516101362

n =  4786
somme des inverses des racines des entiers jusqu a n =  136.9087172428289
2*sqrt(n) =  138.36184445142382
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.3111785180555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.17578525055796

n =  4787
somme des inverses des racines des entiers jusqu a n =  136.92317058506293
2*sqrt(n) =  138.37629854855925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.32542369426673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.1903438081555

n =  4788
somme des inverses des racines des entiers jusqu a n =  136.93762241788835
2*sqrt(n) =  138.39075113604954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.3396674044717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.20490083428848

n =  4789
somme des inverses des racines des entiers jusqu a n =  136.95207274177793
2*sqrt(n) =  138.40520221436765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.35390964912506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.21945632943894

n =  4790
somme des inverses des racines des entiers jusqu a n =  136.96652155720423
2*sqrt(n) =  138.4196517839862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.36815042868125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.23401029408868

n =  4791
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somme des inverses des racines des entiers jusqu a n =  136.98096886463958
2*sqrt(n) =  138.4340998453777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.38238974359456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.24856272871924

n =  4792
somme des inverses des racines des entiers jusqu a n =  136.995414664556
2*sqrt(n) =  138.44854639901425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.39662759431897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.26311363381188

n =  4793
somme des inverses des racines des entiers jusqu a n =  137.0098589574253
2*sqrt(n) =  138.4629914453678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.41086398130818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.27766300984763

n =  4794
somme des inverses des racines des entiers jusqu a n =  137.0243017437191
2*sqrt(n) =  138.47743498491008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.42509890501574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.29221085730723

n =  4795
somme des inverses des racines des entiers jusqu a n =  137.03874302390867
2*sqrt(n) =  138.49187701811252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.43933236589498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.30675717667128

n =  4796
somme des inverses des racines des entiers jusqu a n =  137.05318279846512
2*sqrt(n) =  138.50631754544628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.45356436439889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.32130196842

n =  4797
somme des inverses des racines des entiers jusqu a n =  137.06762106785925
2*sqrt(n) =  138.52075656738234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.46779490098027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.33584523303335

n =  4798
somme des inverses des racines des entiers jusqu a n =  137.08205783256167
2*sqrt(n) =  138.53519408439143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.4820239760918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.35038697099125

n =  4799
somme des inverses des racines des entiers jusqu a n =  137.0964930930427
2*sqrt(n) =  138.54963009694396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.49625159018572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.36492718277307

n =  4800
somme des inverses des racines des entiers jusqu a n =  137.11092684977245
2*sqrt(n) =  138.5640646055102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.5104777437142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.37946586885818

n =  4801
somme des inverses des racines des entiers jusqu a n =  137.12535910322075
2*sqrt(n) =  138.57849761056005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.52470243712912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.39400302972552
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n =  4802
somme des inverses des racines des entiers jusqu a n =  137.1397898538572
2*sqrt(n) =  138.59292911256333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.53892567088212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.4085386658539

n =  4803
somme des inverses des racines des entiers jusqu a n =  137.1542191021512
2*sqrt(n) =  138.60735911198944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.55314744542463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.42307277772184

n =  4804
somme des inverses des racines des entiers jusqu a n =  137.1686468485718
2*sqrt(n) =  138.62178760930766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.56736776120778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.4376053658076

n =  4805
somme des inverses des racines des entiers jusqu a n =  137.18307309358792
2*sqrt(n) =  138.63621460498698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.58158661868259
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.45213643058918

n =  4806
somme des inverses des racines des entiers jusqu a n =  137.19749783766818
2*sqrt(n) =  138.65064009949612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.5958040182997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.46666597254432

n =  4807
somme des inverses des racines des entiers jusqu a n =  137.21192108128096
2*sqrt(n) =  138.6650640933036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.61001996050965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.4811939921506

n =  4808
somme des inverses des racines des entiers jusqu a n =  137.2263428248944
2*sqrt(n) =  138.67948658687772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.62423444576268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.49572048988523

n =  4809
somme des inverses des racines des entiers jusqu a n =  137.2407630689764
2*sqrt(n) =  138.69390758068647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.63844747450881
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.51024546622529

n =  4810
somme des inverses des racines des entiers jusqu a n =  137.25518181399462
2*sqrt(n) =  138.70832707519762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.6526590471978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.5247689216475

n =  4811
somme des inverses des racines des entiers jusqu a n =  137.26959906041645
2*sqrt(n) =  138.7227450708787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.66686916427923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.5392908566284

n =  4812
somme des inverses des racines des entiers jusqu a n =  137.2840148087091
2*sqrt(n) =  138.737161568197
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.68107782620243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.55381127164426

n =  4813
somme des inverses des racines des entiers jusqu a n =  137.2984290593394
2*sqrt(n) =  138.7515765676196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.6952850334165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.56833016717115

n =  4814
somme des inverses des racines des entiers jusqu a n =  137.31284181277414
2*sqrt(n) =  138.76599006961325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.70949078637025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.58284754368475

n =  4815
somme des inverses des racines des entiers jusqu a n =  137.3272530694797
2*sqrt(n) =  138.78040207464454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.72369508551233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.59736340166066

n =  4816
somme des inverses des racines des entiers jusqu a n =  137.3416628299223
2*sqrt(n) =  138.79481258317978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.73789793129112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.6118777415741

n =  4817
somme des inverses des racines des entiers jusqu a n =  137.3560710945679
2*sqrt(n) =  138.80922159568507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.75209932415487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.62639056390017

n =  4818
somme des inverses des racines des entiers jusqu a n =  137.3704778638822
2*sqrt(n) =  138.8236291126262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.7662992645514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.6409018691136

n =  4819
somme des inverses des racines des entiers jusqu a n =  137.38488313833068
2*sqrt(n) =  138.83803513446884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.78049775292851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.655411657689

n =  4820
somme des inverses des racines des entiers jusqu a n =  137.39928691837858
2*sqrt(n) =  138.85243966167826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.79469478973363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.66991993010058

n =  4821
somme des inverses des racines des entiers jusqu a n =  137.41368920449088
2*sqrt(n) =  138.8668426947196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.80889037541397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.6844266868224

n =  4822
somme des inverses des racines des entiers jusqu a n =  137.42808999713233
2*sqrt(n) =  138.88124423405776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.82308451041666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.6989319283283

n =  4823
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somme des inverses des racines des entiers jusqu a n =  137.44248929676743
2*sqrt(n) =  138.8956442801573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.83727719518834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.71343565509179

n =  4824
somme des inverses des racines des entiers jusqu a n =  137.45688710386045
2*sqrt(n) =  138.9100428334827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.85146843017569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.7279378675862

n =  4825
somme des inverses des racines des entiers jusqu a n =  137.47128341887543
2*sqrt(n) =  138.92443989449805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.86565821582496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.7424385662846

n =  4826
somme des inverses des racines des entiers jusqu a n =  137.48567824227615
2*sqrt(n) =  138.93883546366726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.87984655258228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.75693775165973

n =  4827
somme des inverses des racines des entiers jusqu a n =  137.50007157452615
2*sqrt(n) =  138.953229541454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.89403344089351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.77143542418423

n =  4828
somme des inverses des racines des entiers jusqu a n =  137.51446341608874
2*sqrt(n) =  138.96762212832166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.90821888120425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.78593158433037

n =  4829
somme des inverses des racines des entiers jusqu a n =  137.528853767427
2*sqrt(n) =  138.98201322473352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.92240287395998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.8004262325703

n =  4830
somme des inverses des racines des entiers jusqu a n =  137.54324262900371
2*sqrt(n) =  138.99640283115244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.93658541960582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.81491936937573

n =  4831
somme des inverses des racines des entiers jusqu a n =  137.5576300012815
2*sqrt(n) =  139.01079094804115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.95076651858676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.82941099521835

n =  4832
somme des inverses des racines des entiers jusqu a n =  137.5720158847227
2*sqrt(n) =  139.02517757586213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.96494617134749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.84390111056945

n =  4833
somme des inverses des racines des entiers jusqu a n =  137.58640027978944
2*sqrt(n) =  139.0395627150776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.97912437833253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.85838971590016
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n =  4834
somme des inverses des racines des entiers jusqu a n =  137.60078318694357
2*sqrt(n) =  139.05394636614957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  127.99330113998616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.8728768116813

n =  4835
somme des inverses des racines des entiers jusqu a n =  137.61516460664674
2*sqrt(n) =  139.06832852953974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.00747645675236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.88736239838343

n =  4836
somme des inverses des racines des entiers jusqu a n =  137.62954453936032
2*sqrt(n) =  139.08270920570968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.021650329075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.901846476477

n =  4837
somme des inverses des racines des entiers jusqu a n =  137.64392298554546
2*sqrt(n) =  139.09708839512064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.03582275739765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.9163290464321

n =  4838
somme des inverses des racines des entiers jusqu a n =  137.6582999456631
2*sqrt(n) =  139.11146609823362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.04999374216365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.9308101087186

n =  4839
somme des inverses des racines des entiers jusqu a n =  137.67267542017387
2*sqrt(n) =  139.12584231550946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.06416328381616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.9452896638061

n =  4840
somme des inverses des racines des entiers jusqu a n =  137.68704940953828
2*sqrt(n) =  139.1402170474087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.078331382798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.95976771216402

n =  4841
somme des inverses des racines des entiers jusqu a n =  137.70142191421647
2*sqrt(n) =  139.15459029439165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.09249803955197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.9742442542615

n =  4842
somme des inverses des racines des entiers jusqu a n =  137.71579293466843
2*sqrt(n) =  139.16896205691842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.1066632545204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  143.98871929056742

n =  4843
somme des inverses des racines des entiers jusqu a n =  137.7301624713539
2*sqrt(n) =  139.18333233544885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.12082702814564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.00319282155047

n =  4844
somme des inverses des racines des entiers jusqu a n =  137.74453052473237
2*sqrt(n) =  139.1977011304425
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.13498936086953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.017664847679

n =  4845
somme des inverses des racines des entiers jusqu a n =  137.75889709526305
2*sqrt(n) =  139.21206844235883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.14915025313397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.03213536942127

n =  4846
somme des inverses des racines des entiers jusqu a n =  137.773262183405
2*sqrt(n) =  139.2264342716569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.16330970538044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.04660438724514

n =  4847
somme des inverses des racines des entiers jusqu a n =  137.78762578961695
2*sqrt(n) =  139.24079861879562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.17746771805025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.0610719016183

n =  4848
somme des inverses des racines des entiers jusqu a n =  137.80198791435748
2*sqrt(n) =  139.2551614842337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.19162429158456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.07553791300828

n =  4849
somme des inverses des racines des entiers jusqu a n =  137.81634855808488
2*sqrt(n) =  139.26952286842948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.20577942642413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.09000242188216

n =  4850
somme des inverses des racines des entiers jusqu a n =  137.83070772125723
2*sqrt(n) =  139.2838827718412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.2199331230097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.10446542870696

n =  4851
somme des inverses des racines des entiers jusqu a n =  137.84506540433236
2*sqrt(n) =  139.2982411949268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.23408538178157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.11892693394938

n =  4852
somme des inverses des racines des entiers jusqu a n =  137.85942160776787
2*sqrt(n) =  139.31259813814398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.24823620318006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.13338693807594

n =  4853
somme des inverses des racines des entiers jusqu a n =  137.87377633202112
2*sqrt(n) =  139.32695360195027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.26238558764504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.14784544155287

n =  4854
somme des inverses des racines des entiers jusqu a n =  137.88812957754922
2*sqrt(n) =  139.34130758680286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.27653353561632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.16230244484612

n =  4855
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somme des inverses des racines des entiers jusqu a n =  137.90248134480908
2*sqrt(n) =  139.35566009315875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.29068004753333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.17675794842145

n =  4856
somme des inverses des racines des entiers jusqu a n =  137.91683163425733
2*sqrt(n) =  139.37001112147476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.30482512383543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.19121195274442

n =  4857
somme des inverses des racines des entiers jusqu a n =  137.93118044635042
2*sqrt(n) =  139.3843606722074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.31896876496165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.20566445828027

n =  4858
somme des inverses des racines des entiers jusqu a n =  137.9455277815445
2*sqrt(n) =  139.398708745813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.3331109713509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.22011546549405

n =  4859
somme des inverses des racines des entiers jusqu a n =  137.95987364029557
2*sqrt(n) =  139.41305534274758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.3472517434417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.23456497485054

n =  4860
somme des inverses des racines des entiers jusqu a n =  137.9742180230593
2*sqrt(n) =  139.427400463467
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.36139108167245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.24901298681425

n =  4861
somme des inverses des racines des entiers jusqu a n =  137.9885609302912
2*sqrt(n) =  139.44174410842686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.3755289864814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.26345950184958

n =  4862
somme des inverses des racines des entiers jusqu a n =  138.0029023624465
2*sqrt(n) =  139.45608627808252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.38966545830647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.27790452042055

n =  4863
somme des inverses des racines des entiers jusqu a n =  138.0172423199802
2*sqrt(n) =  139.47042697288913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.40380049758534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.29234804299102

n =  4864
somme des inverses des racines des entiers jusqu a n =  138.0315808033471
2*sqrt(n) =  139.48476619330157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.41793410475557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.30679007002456

n =  4865
somme des inverses des racines des entiers jusqu a n =  138.04591781300175
2*sqrt(n) =  139.49910393977447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.43206628025436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.32123060198452
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n =  4866
somme des inverses des racines des entiers jusqu a n =  138.06025334939847
2*sqrt(n) =  139.5134402127623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.44619702451885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.33566963933404

n =  4867
somme des inverses des racines des entiers jusqu a n =  138.07458741299132
2*sqrt(n) =  139.52777501271925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.4603263379858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.35010718253596

n =  4868
somme des inverses des racines des entiers jusqu a n =  138.08892000423415
2*sqrt(n) =  139.54210834009928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.47445422109186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.36454323205297

n =  4869
somme des inverses des racines des entiers jusqu a n =  138.10325112358058
2*sqrt(n) =  139.5564401953561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.4885806742734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.37897778834744

n =  4870
somme des inverses des racines des entiers jusqu a n =  138.11758077148397
2*sqrt(n) =  139.5707705789432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.50270569796658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.39341085188153

n =  4871
somme des inverses des racines des entiers jusqu a n =  138.13190894839747
2*sqrt(n) =  139.5850994913139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.51682929260738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.4078424231172

n =  4872
somme des inverses des racines des entiers jusqu a n =  138.146235654774
2*sqrt(n) =  139.59942693292118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.53095145863145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.42227250251605

n =  4873
somme des inverses des racines des entiers jusqu a n =  138.16056089106624
2*sqrt(n) =  139.61375290421785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.54507219647434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.4367010905396

n =  4874
somme des inverses des racines des entiers jusqu a n =  138.17488465772664
2*sqrt(n) =  139.62807740565648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.55919150657132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.45112818764906

n =  4875
somme des inverses des racines des entiers jusqu a n =  138.18920695520742
2*sqrt(n) =  139.64240043768942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.57330938935746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.46555379430538

n =  4876
somme des inverses des racines des entiers jusqu a n =  138.20352778396057
2*sqrt(n) =  139.65672200076872
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.58742584526757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.4799779109693

n =  4877
somme des inverses des racines des entiers jusqu a n =  138.21784714443785
2*sqrt(n) =  139.6710420953463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.60154087473626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.49440053810133

n =  4878
somme des inverses des racines des entiers jusqu a n =  138.23216503709077
2*sqrt(n) =  139.6853607218738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.61565447819794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.50882167616172

n =  4879
somme des inverses des racines des entiers jusqu a n =  138.2464814623706
2*sqrt(n) =  139.69967788080257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.62976665608673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.52324132561048

n =  4880
somme des inverses des racines des entiers jusqu a n =  138.26079642072847
2*sqrt(n) =  139.71399357258383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.64387740883663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.53765948690742

n =  4881
somme des inverses des racines des entiers jusqu a n =  138.27510991261514
2*sqrt(n) =  139.72830779766855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.6579867368814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.55207616051212

n =  4882
somme des inverses des racines des entiers jusqu a n =  138.28942193848124
2*sqrt(n) =  139.74262055650738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.67209464065448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.56649134688382

n =  4883
somme des inverses des racines des entiers jusqu a n =  138.30373249877712
2*sqrt(n) =  139.75693184955085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.6862011205892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.5809050464817

n =  4884
somme des inverses des racines des entiers jusqu a n =  138.31804159395293
2*sqrt(n) =  139.77124167724918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.7003061771186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.59531725976447

n =  4885
somme des inverses des racines des entiers jusqu a n =  138.33234922445857
2*sqrt(n) =  139.7855500400524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.71440981067553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.60972798719084

n =  4886
somme des inverses des racines des entiers jusqu a n =  138.3466553907437
2*sqrt(n) =  139.79985693841036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.72851202169267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.6241372292192

n =  4887
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somme des inverses des racines des entiers jusqu a n =  138.3609600932578
2*sqrt(n) =  139.81416237277253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.74261281060237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.6385449863076

n =  4888
somme des inverses des racines des entiers jusqu a n =  138.37526333245006
2*sqrt(n) =  139.82846634358827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.75671217783685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.652951258914

n =  4889
somme des inverses des racines des entiers jusqu a n =  138.3895651087695
2*sqrt(n) =  139.84276885130672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.77081012382808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.66735604749604

n =  4890
somme des inverses des racines des entiers jusqu a n =  138.40386542266484
2*sqrt(n) =  139.85706989637671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.7849066490078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.68175935251116

n =  4891
somme des inverses des racines des entiers jusqu a n =  138.41816427458463
2*sqrt(n) =  139.8713694792469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.79900175380754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.69616117441657

n =  4892
somme des inverses des racines des entiers jusqu a n =  138.43246166497715
2*sqrt(n) =  139.88566760036568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.81309543865862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.7105615136692

n =  4893
somme des inverses des racines des entiers jusqu a n =  138.4467575942905
2*sqrt(n) =  139.8999642601813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.82718770399217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.72496037072585

n =  4894
somme des inverses des racines des entiers jusqu a n =  138.46105206297247
2*sqrt(n) =  139.91425945914162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.841278550239
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.7393577460429

n =  4895
somme des inverses des racines des entiers jusqu a n =  138.4753450714707
2*sqrt(n) =  139.92855319769444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.85536797782984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.75375364007675

n =  4896
somme des inverses des racines des entiers jusqu a n =  138.4896366202326
2*sqrt(n) =  139.9428454762872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.86945598719504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.76814805328328

n =  4897
somme des inverses des racines des entiers jusqu a n =  138.50392670970527
2*sqrt(n) =  139.95713629536723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.88354257876492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.7825409861184
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n =  4898
somme des inverses des racines des entiers jusqu a n =  138.51821534033567
2*sqrt(n) =  139.97142565538152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.8976277529694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.79693243903756

n =  4899
somme des inverses des racines des entiers jusqu a n =  138.5325025125705
2*sqrt(n) =  139.98571355677691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.91171151023835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.8113224124962

n =  4900
somme des inverses des racines des entiers jusqu a n =  138.5467882268562
2*sqrt(n) =  140.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.9257938510013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.82571090694935

n =  4901
somme des inverses des racines des entiers jusqu a n =  138.56107248363904
2*sqrt(n) =  140.0142849854971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.93987477568757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.8400979228519

n =  4902
somme des inverses des racines des entiers jusqu a n =  138.57535528336504
2*sqrt(n) =  140.02856851371436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.9539542847263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.8544834606584

n =  4903
somme des inverses des racines des entiers jusqu a n =  138.58963662647997
2*sqrt(n) =  140.0428505850977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.96803237854647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.86886752082333

n =  4904
somme des inverses des racines des entiers jusqu a n =  138.60391651342943
2*sqrt(n) =  140.05713120009278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.98210905757674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.8832501038008

n =  4905
somme des inverses des racines des entiers jusqu a n =  138.61819494465868
2*sqrt(n) =  140.07141035914503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  128.99618432224557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.89763121004475

n =  4906
somme des inverses des racines des entiers jusqu a n =  138.6324719206129
2*sqrt(n) =  140.0856880626997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.01025817298125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.9120108400089

n =  4907
somme des inverses des racines des entiers jusqu a n =  138.64674744173692
2*sqrt(n) =  140.09996431120175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.02433061021185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.9263889941467

n =  4908
somme des inverses des racines des entiers jusqu a n =  138.66102150847541
2*sqrt(n) =  140.11423910509595
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.03840163436516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.94076567291134

n =  4909
somme des inverses des racines des entiers jusqu a n =  138.6752941212728
2*sqrt(n) =  140.12851244482687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.05247124586882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.95514087675588

n =  4910
somme des inverses des racines des entiers jusqu a n =  138.6895652805733
2*sqrt(n) =  140.14278433083882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.06653944515026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.9695146061331

n =  4911
somme des inverses des racines des entiers jusqu a n =  138.70383498682088
2*sqrt(n) =  140.15705476357584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.0806062326366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.98388686149545

n =  4912
somme des inverses des racines des entiers jusqu a n =  138.71810324045927
2*sqrt(n) =  140.17132374348185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.09467160875488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  144.99825764329535

n =  4913
somme des inverses des racines des entiers jusqu a n =  138.732370041932
2*sqrt(n) =  140.18559127100045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.1087355739318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.01262695198477

n =  4914
somme des inverses des racines des entiers jusqu a n =  138.74663539168236
2*sqrt(n) =  140.19985734657507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.12279812859396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.02699478801563

n =  4915
somme des inverses des racines des entiers jusqu a n =  138.76089929015345
2*sqrt(n) =  140.21412197064888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.1368592731676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.0413611518395

n =  4916
somme des inverses des racines des entiers jusqu a n =  138.77516173778807
2*sqrt(n) =  140.22838514366484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.15091900807892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.05572604390778

n =  4917
somme des inverses des racines des entiers jusqu a n =  138.78942273502886
2*sqrt(n) =  140.24264686606568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.16497733375374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.07008946467164

n =  4918
somme des inverses des racines des entiers jusqu a n =  138.80368228231825
2*sqrt(n) =  140.2569071382939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.17903425061778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.08445141458196

n =  4919
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somme des inverses des racines des entiers jusqu a n =  138.81794038009838
2*sqrt(n) =  140.27116596079182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.1930897590965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.0988118940895

n =  4920
somme des inverses des racines des entiers jusqu a n =  138.83219702881118
2*sqrt(n) =  140.28542333400145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.2071438596151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.11317090364463

n =  4921
somme des inverses des racines des entiers jusqu a n =  138.84645222889839
2*sqrt(n) =  140.29967925836468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.2211965525987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.12752844369766

n =  4922
somme des inverses des racines des entiers jusqu a n =  138.8607059808015
2*sqrt(n) =  140.31393373432306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.23524783847205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.14188451469855

n =  4923
somme des inverses des racines des entiers jusqu a n =  138.8749582849618
2*sqrt(n) =  140.32818676231798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.2492977176598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.15623911709707

n =  4924
somme des inverses des racines des entiers jusqu a n =  138.88920914182032
2*sqrt(n) =  140.34243834279067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.26334619058633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.17059225134284

n =  4925
somme des inverses des racines des entiers jusqu a n =  138.9034585518179
2*sqrt(n) =  140.356688476182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.2773932576758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.18494391788508

n =  4926
somme des inverses des racines des entiers jusqu a n =  138.91770651539514
2*sqrt(n) =  140.3709371629327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.29143891935223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.19929411717294

n =  4927
somme des inverses des racines des entiers jusqu a n =  138.9319530329924
2*sqrt(n) =  140.38518440348327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.3054831760393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.21364284965523

n =  4928
somme des inverses des racines des entiers jusqu a n =  138.94619810504986
2*sqrt(n) =  140.39943019827396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.31952602816062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.22799011578064

n =  4929
somme des inverses des racines des entiers jusqu a n =  138.96044173200744
2*sqrt(n) =  140.41367454774482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.33356747613945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.2423359159975
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n =  4930
somme des inverses des racines des entiers jusqu a n =  138.97468391430485
2*sqrt(n) =  140.42791745233566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.34760752039892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.25668025075402

n =  4931
somme des inverses des racines des entiers jusqu a n =  138.98892465238154
2*sqrt(n) =  140.4421589124861
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.36164616136196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.27102312049814

n =  4932
somme des inverses des racines des entiers jusqu a n =  139.0031639466768
2*sqrt(n) =  140.4563989286355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.37568339945128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.2853645256776

n =  4933
somme des inverses des racines des entiers jusqu a n =  139.0174017976297
2*sqrt(n) =  140.470637501223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.38971923508927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.29970446673985

n =  4934
somme des inverses des racines des entiers jusqu a n =  139.03163820567903
2*sqrt(n) =  140.48487463068756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.40375366869827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.3140429441322

n =  4935
somme des inverses des racines des entiers jusqu a n =  139.04587317126337
2*sqrt(n) =  140.49911031746785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.41778670070028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.32837995830164

n =  4936
somme des inverses des racines des entiers jusqu a n =  139.06010669482112
2*sqrt(n) =  140.51334456200237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.43181833151715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.34271550969498

n =  4937
somme des inverses des racines des entiers jusqu a n =  139.0743387767904
2*sqrt(n) =  140.52757736472938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.44584856157053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.3570495987588

n =  4938
somme des inverses des racines des entiers jusqu a n =  139.08856941760916
2*sqrt(n) =  140.5418087260869
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.4598773912818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.37138222593947

n =  4939
somme des inverses des racines des entiers jusqu a n =  139.1027986177151
2*sqrt(n) =  140.5560386465128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.47390482107218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.3857133916831

n =  4940
somme des inverses des racines des entiers jusqu a n =  139.11702637754573
2*sqrt(n) =  140.57026712644463
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.48793085136268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.4000430964356

n =  4941
somme des inverses des racines des entiers jusqu a n =  139.13125269753826
2*sqrt(n) =  140.5844941663198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.50195548257403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.41437134064265

n =  4942
somme des inverses des racines des entiers jusqu a n =  139.14547757812977
2*sqrt(n) =  140.5987197665754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.51597871512686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.4286981247497

n =  4943
somme des inverses des racines des entiers jusqu a n =  139.15970101975708
2*sqrt(n) =  140.61294392764842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.53000054944147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.4430234492019

n =  4944
somme des inverses des racines des entiers jusqu a n =  139.1739230228568
2*sqrt(n) =  140.62716664997558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.54402098593806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.45734731444435

n =  4945
somme des inverses des racines des entiers jusqu a n =  139.18814358786528
2*sqrt(n) =  140.64138793399331
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.55804002503652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.4716697209217

n =  4946
somme des inverses des racines des entiers jusqu a n =  139.20236271521873
2*sqrt(n) =  140.65560778013793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.57205766715657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.4859906690786

n =  4947
somme des inverses des racines des entiers jusqu a n =  139.21658040535303
2*sqrt(n) =  140.6698261888455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.58607391271778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.50031015935934

n =  4948
somme des inverses des racines des entiers jusqu a n =  139.23079665870392
2*sqrt(n) =  140.6840431605518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.60008876213942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.51462819220797

n =  4949
somme des inverses des racines des entiers jusqu a n =  139.24501147570692
2*sqrt(n) =  140.69825869569246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.61410221584057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.52894476806838

n =  4950
somme des inverses des racines des entiers jusqu a n =  139.2592248567973
2*sqrt(n) =  140.71247279470288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.62811427424015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.54325988738424

n =  4951
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somme des inverses des racines des entiers jusqu a n =  139.2734368024101
2*sqrt(n) =  140.72668545801824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.64212493775682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.55757355059893

n =  4952
somme des inverses des racines des entiers jusqu a n =  139.28764731298017
2*sqrt(n) =  140.74089668607346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.65613420680904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.57188575815567

n =  4953
somme des inverses des racines des entiers jusqu a n =  139.30185638894216
2*sqrt(n) =  140.75510647930327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.67014208181504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.5861965104974

n =  4954
somme des inverses des racines des entiers jusqu a n =  139.31606403073042
2*sqrt(n) =  140.7693148381422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.6841485631929
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.60050580806686

n =  4955
somme des inverses des racines des entiers jusqu a n =  139.33027023877915
2*sqrt(n) =  140.78352176302454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.69815365136046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.61481365130658

n =  4956
somme des inverses des racines des entiers jusqu a n =  139.34447501352233
2*sqrt(n) =  140.79772725438434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.71215734673532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.62912004065885

n =  4957
somme des inverses des racines des entiers jusqu a n =  139.3586783553937
2*sqrt(n) =  140.81193131265547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.7261596497349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.64342497656577

n =  4958
somme des inverses des racines des entiers jusqu a n =  139.37288026482676
2*sqrt(n) =  140.82613393827157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.74016056077645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.65772845946913

n =  4959
somme des inverses des racines des entiers jusqu a n =  139.38708074225485
2*sqrt(n) =  140.84033513166602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.7541600802769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.6720304898106

n =  4960
somme des inverses des racines des entiers jusqu a n =  139.40127978811103
2*sqrt(n) =  140.85453489327207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.76815820865312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.68633106803156

n =  4961
somme des inverses des racines des entiers jusqu a n =  139.41547740282817
2*sqrt(n) =  140.86873322352267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.7821549463216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.7006301945732
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n =  4962
somme des inverses des racines des entiers jusqu a n =  139.42967358683893
2*sqrt(n) =  140.88293012285058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.79615029369884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.71492786987645

n =  4963
somme des inverses des racines des entiers jusqu a n =  139.44386834057576
2*sqrt(n) =  140.89712559168834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.8101442512009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.72922409438206

n =  4964
somme des inverses des racines des entiers jusqu a n =  139.45806166447085
2*sqrt(n) =  140.91131963046828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.8241368192438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.74351886853051

n =  4965
somme des inverses des racines des entiers jusqu a n =  139.4722535589562
2*sqrt(n) =  140.92551223962252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.83812799824324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.75781219276215

n =  4966
somme des inverses des racines des entiers jusqu a n =  139.4864440244636
2*sqrt(n) =  140.93970341958294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.85211778861483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.77210406751698

n =  4967
somme des inverses des racines des entiers jusqu a n =  139.50063306142462
2*sqrt(n) =  140.9538931707812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.86610619077388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.7863944932349

n =  4968
somme des inverses des racines des entiers jusqu a n =  139.5148206702706
2*sqrt(n) =  140.96808149364875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.88009320513544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.8006834703554

n =  4969
somme des inverses des racines des entiers jusqu a n =  139.52900685143268
2*sqrt(n) =  140.98226838861686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.89407883211453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.814970999318

n =  4970
somme des inverses des racines des entiers jusqu a n =  139.54319160534175
2*sqrt(n) =  140.99645385611655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.90806307212588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.8292570805619

n =  4971
somme des inverses des racines des entiers jusqu a n =  139.5573749324285
2*sqrt(n) =  141.01063789657857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.92204592558392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.8435417145259

n =  4972
somme des inverses des racines des entiers jusqu a n =  139.57155683312342
2*sqrt(n) =  141.02482051043356
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.93602739290296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.85782490164885

n =  4973
somme des inverses des racines des entiers jusqu a n =  139.5857373078568
2*sqrt(n) =  141.03900169811186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.9500074744971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.87210664236923

n =  4974
somme des inverses des racines des entiers jusqu a n =  139.59991635705865
2*sqrt(n) =  141.05318146004365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.9639861707803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.8863869371253

n =  4975
somme des inverses des racines des entiers jusqu a n =  139.61409398115882
2*sqrt(n) =  141.06735979665885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.97796348216616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.9006657863552

n =  4976
somme des inverses des racines des entiers jusqu a n =  139.62827018058692
2*sqrt(n) =  141.08153670838718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  129.99193940906815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.91494319049667

n =  4977
somme des inverses des racines des entiers jusqu a n =  139.64244495577233
2*sqrt(n) =  141.09571219565817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.00591395189963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.92921914998743

n =  4978
somme des inverses des racines des entiers jusqu a n =  139.65661830714427
2*sqrt(n) =  141.10988625890107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.01988711107353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.94349366526484

n =  4979
somme des inverses des racines des entiers jusqu a n =  139.67079023513168
2*sqrt(n) =  141.124058898545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.03385888700282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.95776673676608

n =  4980
somme des inverses des racines des entiers jusqu a n =  139.6849607401633
2*sqrt(n) =  141.1382301150188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.04782928010013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.97203836492815

n =  4981
somme des inverses des racines des entiers jusqu a n =  139.6991298226677
2*sqrt(n) =  141.1523999087511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.06179829077783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  145.98630855018774

n =  4982
somme des inverses des racines des entiers jusqu a n =  139.71329748307318
2*sqrt(n) =  141.16656828017037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.07576591944826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.00057729298143

n =  4983
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somme des inverses des racines des entiers jusqu a n =  139.72746372180785
2*sqrt(n) =  141.18073522970477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.08973216652336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.01484459374547

n =  4984
somme des inverses des racines des entiers jusqu a n =  139.7416285392996
2*sqrt(n) =  141.19490075778234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.10369703241506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.02911045291597

n =  4985
somme des inverses des racines des entiers jusqu a n =  139.7557919359761
2*sqrt(n) =  141.20906486483082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.1176605175349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.04337487092877

n =  4986
somme des inverses des racines des entiers jusqu a n =  139.76995391226484
2*sqrt(n) =  141.22322755127783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.13162262229434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.05763784821957

n =  4987
somme des inverses des racines des entiers jusqu a n =  139.78411446859306
2*sqrt(n) =  141.2373888175507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.1455833471046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.07189938522376

n =  4988
somme des inverses des racines des entiers jusqu a n =  139.79827360538778
2*sqrt(n) =  141.2515486640766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.15954269237668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.08615948237656

n =  4989
somme des inverses des racines des entiers jusqu a n =  139.81243132307583
2*sqrt(n) =  141.26570709128242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.1735006585214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.10041814011294

n =  4990
somme des inverses des racines des entiers jusqu a n =  139.8265876220838
2*sqrt(n) =  141.27986409959487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.1874572459493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.11467535886766

n =  4991
somme des inverses des racines des entiers jusqu a n =  139.84074250283808
2*sqrt(n) =  141.2940196894405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.20141245507088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.1289311390753

n =  4992
somme des inverses des racines des entiers jusqu a n =  139.85489596576488
2*sqrt(n) =  141.30817386124556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.2153662862963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.14318548117018

n =  4993
somme des inverses des racines des entiers jusqu a n =  139.86904801129018
2*sqrt(n) =  141.3223266154361
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.2293187400355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.1574383855864
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n =  4994
somme des inverses des racines des entiers jusqu a n =  139.8831986398397
2*sqrt(n) =  141.33647795243803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.24326981669833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.17168985275788

n =  4995
somme des inverses des racines des entiers jusqu a n =  139.89734785183896
2*sqrt(n) =  141.35062787267697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.2572195166943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.1859398831183

n =  4996
somme des inverses des racines des entiers jusqu a n =  139.9114956477133
2*sqrt(n) =  141.36477637657833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.27116784043287
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.20018847710105

n =  4997
somme des inverses des racines des entiers jusqu a n =  139.92564202788787
2*sqrt(n) =  141.37892346456738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.28511478832317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.21443563513947

n =  4998
somme des inverses des racines des entiers jusqu a n =  139.93978699278753
2*sqrt(n) =  141.3930691370691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.2990603607742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.22868135766655

n =  4999
somme des inverses des racines des entiers jusqu a n =  139.95393054283699
2*sqrt(n) =  141.40721339450826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.3130045581947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.24292564511504

n =  5000
somme des inverses des racines des entiers jusqu a n =  139.96807267846071
2*sqrt(n) =  141.4213562373095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.3269473809933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.25716849791763

n =  5001
somme des inverses des racines des entiers jusqu a n =  139.98221340008297
2*sqrt(n) =  141.43549766589715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.34088882957823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.2714099165066

n =  5002
somme des inverses des racines des entiers jusqu a n =  139.99635270812783
2*sqrt(n) =  141.4496376806954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.35482890435782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.28564990131417

n =  5003
somme des inverses des racines des entiers jusqu a n =  140.01049060301912
2*sqrt(n) =  141.46377628212815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.36876760573995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.29988845277225

n =  5004
somme des inverses des racines des entiers jusqu a n =  140.02462708518044
2*sqrt(n) =  141.47791347061914
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.38270493413233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.31412557131253

n =  5005
somme des inverses des racines des entiers jusqu a n =  140.03876215503524
2*sqrt(n) =  141.49204924659193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.3966408899426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.3283612573666

n =  5006
somme des inverses des racines des entiers jusqu a n =  140.05289581300673
2*sqrt(n) =  141.50618361046983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.41057547357812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.3425955113657

n =  5007
somme des inverses des racines des entiers jusqu a n =  140.06702805951787
2*sqrt(n) =  141.5203165626759
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.42450868544597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.35682833374088

n =  5008
somme des inverses des racines des entiers jusqu a n =  140.08115889499146
2*sqrt(n) =  141.53444810363305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.43844052595313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.37105972492301

n =  5009
somme des inverses des racines des entiers jusqu a n =  140.09528831985008
2*sqrt(n) =  141.54857823376398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.45237099550636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.38528968534277

n =  5010
somme des inverses des racines des entiers jusqu a n =  140.1094163345161
2*sqrt(n) =  141.5627069534911
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.4663000945122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.39951821543056

n =  5011
somme des inverses des racines des entiers jusqu a n =  140.12354293941166
2*sqrt(n) =  141.57683426323672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.480227823377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.41374531561658

n =  5012
somme des inverses des racines des entiers jusqu a n =  140.1376681349587
2*sqrt(n) =  141.59096016342286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.49415418250692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.42797098633085

n =  5013
somme des inverses des racines des entiers jusqu a n =  140.15179192157893
2*sqrt(n) =  141.60508465447137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.50807917230787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.44219522800313

n =  5014
somme des inverses des racines des entiers jusqu a n =  140.1659142996939
2*sqrt(n) =  141.61920773680384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.5220027931856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.45641804106296

n =  5015
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somme des inverses des racines des entiers jusqu a n =  140.1800352697249
2*sqrt(n) =  141.63332941084172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.5359250455457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.47063942593974

n =  5016
somme des inverses des racines des entiers jusqu a n =  140.194154832093
2*sqrt(n) =  141.6474496770062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.54984592979343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.48485938306257

n =  5017
somme des inverses des racines des entiers jusqu a n =  140.20827298721915
2*sqrt(n) =  141.66156853571826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.563765446334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.49907791286037

n =  5018
somme des inverses des racines des entiers jusqu a n =  140.222389735524
2*sqrt(n) =  141.6756859873987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.57768359557235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.51329501576188

n =  5019
somme des inverses des racines des entiers jusqu a n =  140.236505077428
2*sqrt(n) =  141.6898020324681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.59160037791315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.52751069219556

n =  5020
somme des inverses des racines des entiers jusqu a n =  140.25061901335144
2*sqrt(n) =  141.7039166713468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.60551579376104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.5417249425897

n =  5021
somme des inverses des racines des entiers jusqu a n =  140.26473154371436
2*sqrt(n) =  141.718029904455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.6194298435203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.55593776737234

n =  5022
somme des inverses des racines des entiers jusqu a n =  140.27884266893662
2*sqrt(n) =  141.7321417322126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.63334252759506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.57014916697136

n =  5023
somme des inverses des racines des entiers jusqu a n =  140.29295238943783
2*sqrt(n) =  141.74625215503937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.64725384638933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.5843591418144

n =  5024
somme des inverses des racines des entiers jusqu a n =  140.3070607056374
2*sqrt(n) =  141.7603611733548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.66116380030675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.5985676923288

n =  5025
somme des inverses des racines des entiers jusqu a n =  140.3211676179546
2*sqrt(n) =  141.77446878757826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.675072389751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.6127748189419
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n =  5026
somme des inverses des racines des entiers jusqu a n =  140.33527312680835
2*sqrt(n) =  141.7885749981288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.68897961512528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.62698052208057

n =  5027
somme des inverses des racines des entiers jusqu a n =  140.3493772326175
2*sqrt(n) =  141.80267980542538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.70288547683282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.64118480217167

n =  5028
somme des inverses des racines des entiers jusqu a n =  140.36347993580068
2*sqrt(n) =  141.8167832098867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.71678997527655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.65538765964175

n =  5029
somme des inverses des racines des entiers jusqu a n =  140.37758123677622
2*sqrt(n) =  141.8308852119312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.73069311085922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.66958909491717

n =  5030
somme des inverses des racines des entiers jusqu a n =  140.3916811359623
2*sqrt(n) =  141.84498581197715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.74459488398338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.68378910842404

n =  5031
somme des inverses des racines des entiers jusqu a n =  140.4057796337769
2*sqrt(n) =  141.85908501044267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.75849529505135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.69798770058833

n =  5032
somme des inverses des racines des entiers jusqu a n =  140.41987673063775
2*sqrt(n) =  141.8731828077456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.7723943444653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.71218487183572

n =  5033
somme des inverses des racines des entiers jusqu a n =  140.43397242696244
2*sqrt(n) =  141.88727920430358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.78629203262722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.72638062259176

n =  5034
somme des inverses des racines des entiers jusqu a n =  140.4480667231683
2*sqrt(n) =  141.9013742005341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.80018835993883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.7405749532817

n =  5035
somme des inverses des racines des entiers jusqu a n =  140.46215961967246
2*sqrt(n) =  141.91546779685433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.81408332680166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.75476786433066

n =  5036
somme des inverses des racines des entiers jusqu a n =  140.47625111689186
2*sqrt(n) =  141.92955999368138
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.82797693361715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.7689593561635

n =  5037
somme des inverses des racines des entiers jusqu a n =  140.4903412152432
2*sqrt(n) =  141.94365079143202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.84186918078638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.78314942920485

n =  5038
somme des inverses des racines des entiers jusqu a n =  140.50442991514302
2*sqrt(n) =  141.95774019052288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.85576006871034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.79733808387917

n =  5039
somme des inverses des racines des entiers jusqu a n =  140.51851721700763
2*sqrt(n) =  141.9718281913704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.86964959778982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.8115253206107

n =  5040
somme des inverses des racines des entiers jusqu a n =  140.5326031212531
2*sqrt(n) =  141.9859147943908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.88353776842538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.8257111398235

n =  5041
somme des inverses des racines des entiers jusqu a n =  140.54668762829533
2*sqrt(n) =  142.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.89742458101736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.8398955419413

n =  5042
somme des inverses des racines des entiers jusqu a n =  140.56077073855005
2*sqrt(n) =  142.01408380861386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.911310035966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.8540785273878

n =  5043
somme des inverses des racines des entiers jusqu a n =  140.5748524524327
2*sqrt(n) =  142.02816622064793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.9251941336712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.86826009658628

n =  5044
somme des inverses des racines des entiers jusqu a n =  140.5889327703586
2*sqrt(n) =  142.04224723651762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.93907687453282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.88244024996

n =  5045
somme des inverses des racines des entiers jusqu a n =  140.60301169274283
2*sqrt(n) =  142.0563268566381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.9529582589504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.89661898793196

n =  5046
somme des inverses des racines des entiers jusqu a n =  140.6170892200002
2*sqrt(n) =  142.07040508142433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.96683828732333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.9107963109248

n =  5047
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somme des inverses des racines des entiers jusqu a n =  140.6311653525454
2*sqrt(n) =  142.08448191129108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.9807169600508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.9249722193612

n =  5048
somme des inverses des racines des entiers jusqu a n =  140.6452400907929
2*sqrt(n) =  142.09855734665288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  130.99459427753183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.9391467136634

n =  5049
somme des inverses des racines des entiers jusqu a n =  140.65931343515692
2*sqrt(n) =  142.11263138792413
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.00847024016522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.9533197942536

n =  5050
somme des inverses des racines des entiers jusqu a n =  140.67338538605154
2*sqrt(n) =  142.12670403551894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.02234484834955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.96749146155364

n =  5051
somme des inverses des racines des entiers jusqu a n =  140.68745594389057
2*sqrt(n) =  142.1407752898513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.03621810248325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.98166171598533

n =  5052
somme des inverses des racines des entiers jusqu a n =  140.70152510908764
2*sqrt(n) =  142.15484515133488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.0500900029645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  146.99583055797007

n =  5053
somme des inverses des racines des entiers jusqu a n =  140.7155928820562
2*sqrt(n) =  142.16891362038328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.06396055019138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.00999798792924

n =  5054
somme des inverses des racines des entiers jusqu a n =  140.7296592632095
2*sqrt(n) =  142.18298069740976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.07782974456163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.02416400628383

n =  5055
somme des inverses des racines des entiers jusqu a n =  140.74372425296053
2*sqrt(n) =  142.19704638282752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.09169758647295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.0383286134548

n =  5056
somme des inverses des racines des entiers jusqu a n =  140.7577878517221
2*sqrt(n) =  142.21111067704942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.10556407632274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.05249180986277

n =  5057
somme des inverses des racines des entiers jusqu a n =  140.77185005990685
2*sqrt(n) =  142.22517358048822
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.11942921450824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.06665359592822
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n =  5058
somme des inverses des racines des entiers jusqu a n =  140.78591087792717
2*sqrt(n) =  142.23923509355637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.13329300142647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.08081397207133

n =  5059
somme des inverses des racines des entiers jusqu a n =  140.79997030619526
2*sqrt(n) =  142.25329521666626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.14715543747434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.09497293871223

n =  5060
somme des inverses des racines des entiers jusqu a n =  140.81402834512315
2*sqrt(n) =  142.2673539502299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.1610165230484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.10913049627067

n =  5061
somme des inverses des racines des entiers jusqu a n =  140.82808499512262
2*sqrt(n) =  142.28141129465928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.1748762585452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.1232866451663

n =  5062
somme des inverses des racines des entiers jusqu a n =  140.84214025660526
2*sqrt(n) =  142.29546725036607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.188734644361
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.1374413858186

n =  5063
somme des inverses des racines des entiers jusqu a n =  140.8561941299825
2*sqrt(n) =  142.30952181776172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.20259168089183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.15159471864666

n =  5064
somme des inverses des racines des entiers jusqu a n =  140.87024661566548
2*sqrt(n) =  142.32357499725757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.21644736853355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.16574664406957

n =  5065
somme des inverses des racines des entiers jusqu a n =  140.8842977140652
2*sqrt(n) =  142.33762678926468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.2303017076819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.17989716250605

n =  5066
somme des inverses des racines des entiers jusqu a n =  140.89834742559248
2*sqrt(n) =  142.35167719419397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.24415469873236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.19404627437478

n =  5067
somme des inverses des racines des entiers jusqu a n =  140.91239575065785
2*sqrt(n) =  142.36572621245605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.25800634208014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.208193980094

n =  5068
somme des inverses des racines des entiers jusqu a n =  140.92644268967172
2*sqrt(n) =  142.37977384446148
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.27185663812045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.222340280082

n =  5069
somme des inverses des racines des entiers jusqu a n =  140.94048824304423
2*sqrt(n) =  142.3938200906205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.28570558724815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.23648517475667

n =  5070
somme des inverses des racines des entiers jusqu a n =  140.9545324111854
2*sqrt(n) =  142.40786495134319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.29955318985796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.25062866453578

n =  5071
somme des inverses des racines des entiers jusqu a n =  140.96857519450495
2*sqrt(n) =  142.42190842703943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.31339944634442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.26477074983694

n =  5072
somme des inverses des racines des entiers jusqu a n =  140.9826165934125
2*sqrt(n) =  142.43595051811886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.3272443571018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.27891143107738

n =  5073
somme des inverses des racines des entiers jusqu a n =  140.99665660831738
2*sqrt(n) =  142.44999122499095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.34108792252425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.2930507086743

n =  5074
somme des inverses des racines des entiers jusqu a n =  141.01069523962877
2*sqrt(n) =  142.464030548065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.3549301430058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.30718858304462

n =  5075
somme des inverses des racines des entiers jusqu a n =  141.02473248775564
2*sqrt(n) =  142.47806848775008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.3687710189401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.32132505460507

n =  5076
somme des inverses des racines des entiers jusqu a n =  141.03876835310675
2*sqrt(n) =  142.492105044455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.38261055072073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.33546012377212

n =  5077
somme des inverses des racines des entiers jusqu a n =  141.05280283609065
2*sqrt(n) =  142.50614021858848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.3964487387411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.3495937909622

n =  5078
somme des inverses des racines des entiers jusqu a n =  141.0668359371157
2*sqrt(n) =  142.52017401055895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.41028558339434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.36372605659125

n =  5079
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somme des inverses des racines des entiers jusqu a n =  141.0808676565901
2*sqrt(n) =  142.53420642077467
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.42412108507344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.37785692107528

n =  5080
somme des inverses des racines des entiers jusqu a n =  141.09489799492175
2*sqrt(n) =  142.5482374496437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.43795524417118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.39198638482995

n =  5081
somme des inverses des racines des entiers jusqu a n =  141.10892695251843
2*sqrt(n) =  142.56226709757388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.45178806108015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.40611444827073

n =  5082
somme des inverses des racines des entiers jusqu a n =  141.1229545297877
2*sqrt(n) =  142.57629536497294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.46561953619283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.420241111813

n =  5083
somme des inverses des racines des entiers jusqu a n =  141.13698072713694
2*sqrt(n) =  142.59032225224823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.47944966990133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.43436637587166

n =  5084
somme des inverses des racines des entiers jusqu a n =  141.1510055449733
2*sqrt(n) =  142.6043477598071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.49327846259774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.44849024086176

n =  5085
somme des inverses des racines des entiers jusqu a n =  141.16502898370368
2*sqrt(n) =  142.61837188805654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.5071059146739
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.46261270719788

n =  5086
somme des inverses des racines des entiers jusqu a n =  141.1790510437349
2*sqrt(n) =  142.63239463740345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.5209320265214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.4767337752945

n =  5087
somme des inverses des racines des entiers jusqu a n =  141.19307172547346
2*sqrt(n) =  142.64641600825448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.5347567985317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.49085344556585

n =  5088
somme des inverses des racines des entiers jusqu a n =  141.20709102932577
2*sqrt(n) =  142.66043600101605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.5485802310961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.50497171842602

n =  5089
somme des inverses des racines des entiers jusqu a n =  141.22110895569796
2*sqrt(n) =  142.67445461609447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.56240232460564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.5190885942889
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n =  5090
somme des inverses des racines des entiers jusqu a n =  141.23512550499598
2*sqrt(n) =  142.68847185389575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.57622307945118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.53320407356802

n =  5091
somme des inverses des racines des entiers jusqu a n =  141.2491406776256
2*sqrt(n) =  142.70248771482576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.59004249602344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.54731815667694

n =  5092
somme des inverses des racines des entiers jusqu a n =  141.2631544739924
2*sqrt(n) =  142.71650219929018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.60386057471288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.56143084402882

n =  5093
somme des inverses des racines des entiers jusqu a n =  141.27716689450168
2*sqrt(n) =  142.73051530769445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.61767731590984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.57554213603674

n =  5094
somme des inverses des racines des entiers jusqu a n =  141.29117793955865
2*sqrt(n) =  142.74452704044384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.63149272000445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.58965203311354

n =  5095
somme des inverses des racines des entiers jusqu a n =  141.30518760956826
2*sqrt(n) =  142.75853739794337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.64530678738655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.60376053567177

n =  5096
somme des inverses des racines des entiers jusqu a n =  141.31919590493527
2*sqrt(n) =  142.772546380598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.659119518446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.61786764412398

n =  5097
somme des inverses des racines des entiers jusqu a n =  141.33320282606425
2*sqrt(n) =  142.78655398881227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.67293091357223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.63197335888228

n =  5098
somme des inverses des racines des entiers jusqu a n =  141.34720837335956
2*sqrt(n) =  142.80056022299073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.68674097315466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.64607768035876

n =  5099
somme des inverses des racines des entiers jusqu a n =  141.36121254722536
2*sqrt(n) =  142.81456508353762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.70054969758246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.6601806089652

n =  5100
somme des inverses des racines des entiers jusqu a n =  141.37521534806564
2*sqrt(n) =  142.828568570857
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.71435708724457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.67428214511318

n =  5101
somme des inverses des racines des entiers jusqu a n =  141.38921677628417
2*sqrt(n) =  142.84257068535277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.72816314252984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.68838228921422

n =  5102
somme des inverses des racines des entiers jusqu a n =  141.4032168322845
2*sqrt(n) =  142.85657142742858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.74196786382683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.70248104167945

n =  5103
somme des inverses des racines des entiers jusqu a n =  141.41721551647004
2*sqrt(n) =  142.8705707974879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.75577125152392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.71657840291988

n =  5104
somme des inverses des racines des entiers jusqu a n =  141.43121282924395
2*sqrt(n) =  142.884568795934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.7695733060094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.73067437334632

n =  5105
somme des inverses des racines des entiers jusqu a n =  141.4452087710092
2*sqrt(n) =  142.89856542317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.78337402767124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.74476895336937

n =  5106
somme des inverses des racines des entiers jusqu a n =  141.45920334216856
2*sqrt(n) =  142.91256067959876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.79717341689732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.75886214339945

n =  5107
somme des inverses des racines des entiers jusqu a n =  141.47319654312466
2*sqrt(n) =  142.92655456562298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.81097147407533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.7729539438468

n =  5108
somme des inverses des racines des entiers jusqu a n =  141.48718837427987
2*sqrt(n) =  142.9405470816451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.82476819959265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.7870443551213

n =  5109
somme des inverses des racines des entiers jusqu a n =  141.5011788360364
2*sqrt(n) =  142.95453822806746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.83856359383668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.80113337763285

n =  5110
somme des inverses des racines des entiers jusqu a n =  141.5151679287962
2*sqrt(n) =  142.96852800529214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.8523576571944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.815221011791

n =  5111
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somme des inverses des racines des entiers jusqu a n =  141.5291556529611
2*sqrt(n) =  142.98251641372102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.86615039005275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.82930725800514

n =  5112
somme des inverses des racines des entiers jusqu a n =  141.5431420089327
2*sqrt(n) =  142.99650345375582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.87994179279846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.8433921166845

n =  5113
somme des inverses des racines des entiers jusqu a n =  141.55712699711242
2*sqrt(n) =  143.01048912579805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.89373186581804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.85747558823803

n =  5114
somme des inverses des racines des entiers jusqu a n =  141.57111061790147
2*sqrt(n) =  143.024473430249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.90752060949788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.87155767307456

n =  5115
somme des inverses des racines des entiers jusqu a n =  141.58509287170082
2*sqrt(n) =  143.03845636750978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.92130802422406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.88563837160265

n =  5116
somme des inverses des racines des entiers jusqu a n =  141.59907375891135
2*sqrt(n) =  143.05243793798132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.9350941103826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.8997176842307

n =  5117
somme des inverses des racines des entiers jusqu a n =  141.61305327993364
2*sqrt(n) =  143.06641814206435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.94887886835926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.91379561136688

n =  5118
somme des inverses des racines des entiers jusqu a n =  141.6270314351681
2*sqrt(n) =  143.08039698015938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.96266229853964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.92787215341923

n =  5119
somme des inverses des racines des entiers jusqu a n =  141.641008225015
2*sqrt(n) =  143.09437445266673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.97644440130915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.9419473107955

n =  5120
somme des inverses des racines des entiers jusqu a n =  141.6549836498744
2*sqrt(n) =  143.10835055998655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  131.990225177053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.95602108390332

n =  5121
somme des inverses des racines des entiers jusqu a n =  141.66895771014606
2*sqrt(n) =  143.12232530251876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.00400462615622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.97009347315003
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n =  5122
somme des inverses des racines des entiers jusqu a n =  141.68293040622967
2*sqrt(n) =  143.13629868066312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.01778274900366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.98416447894286

n =  5123
somme des inverses des racines des entiers jusqu a n =  141.6969017385247
2*sqrt(n) =  143.15027069481914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.03155954597995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  147.99823410168875

n =  5124
somme des inverses des racines des entiers jusqu a n =  141.71087170743039
2*sqrt(n) =  143.16424134538624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.04533501746963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.01230234179457

n =  5125
somme des inverses des racines des entiers jusqu a n =  141.72484031334577
2*sqrt(n) =  143.17821063276352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.05910916385693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.02636919966682

n =  5126
somme des inverses des racines des entiers jusqu a n =  141.73880755666974
2*sqrt(n) =  143.19217855735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.07288198552598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.040434675712

n =  5127
somme des inverses des racines des entiers jusqu a n =  141.75277343780095
2*sqrt(n) =  143.20614511954437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.08665348286067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.0544987703362

n =  5128
somme des inverses des racines des entiers jusqu a n =  141.7667379571379
2*sqrt(n) =  143.22011031974526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.10042365624477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.0685614839455

n =  5129
somme des inverses des racines des entiers jusqu a n =  141.78070111507887
2*sqrt(n) =  143.23407415835104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.11419250606178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.08262281694567

n =  5130
somme des inverses des racines des entiers jusqu a n =  141.79466291202192
2*sqrt(n) =  143.24803663575986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.12796003269506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.09668276974227

n =  5131
somme des inverses des racines des entiers jusqu a n =  141.80862334836496
2*sqrt(n) =  143.26199775236978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.14172623652783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.11074134274077

n =  5132
somme des inverses des racines des entiers jusqu a n =  141.8225824245057
2*sqrt(n) =  143.27595750857853
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.155491117943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.12479853634628

n =  5133
somme des inverses des racines des entiers jusqu a n =  141.83654014084163
2*sqrt(n) =  143.28991590478375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.16925467732347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.1388543509639

n =  5134
somme des inverses des racines des entiers jusqu a n =  141.85049649777008
2*sqrt(n) =  143.30387294138285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.18301691505178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.15290878699838

n =  5135
somme des inverses des racines des entiers jusqu a n =  141.86445149568817
2*sqrt(n) =  143.31782861877304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.1967778315104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.16696184485437

n =  5136
somme des inverses des racines des entiers jusqu a n =  141.87840513499282
2*sqrt(n) =  143.33178293735133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.21053742708153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.18101352493622

n =  5137
somme des inverses des racines des entiers jusqu a n =  141.89235741608076
2*sqrt(n) =  143.34573589751457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.22429570214732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.1950638276482

n =  5138
somme des inverses des racines des entiers jusqu a n =  141.90630833934853
2*sqrt(n) =  143.3596874996594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.23805265708958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.20911275339432

n =  5139
somme des inverses des racines des entiers jusqu a n =  141.92025790519247
2*sqrt(n) =  143.37363774418225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.25180829229004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.22316030257835

n =  5140
somme des inverses des racines des entiers jusqu a n =  141.93420611400876
2*sqrt(n) =  143.38758663147937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.26556260813015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.23720647560395

n =  5141
somme des inverses des racines des entiers jusqu a n =  141.94815296619336
2*sqrt(n) =  143.4015341619468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.27931560499133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.25125127287455

n =  5142
somme des inverses des racines des entiers jusqu a n =  141.96209846214202
2*sqrt(n) =  143.41548033598048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.29306728325466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.2652946947934

n =  5143
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somme des inverses des racines des entiers jusqu a n =  141.97604260225032
2*sqrt(n) =  143.42942515397598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.3068176433011
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.27933674176344

n =  5144
somme des inverses des racines des entiers jusqu a n =  141.98998538691365
2*sqrt(n) =  143.44336861632885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.3205666855114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.29337741418757

n =  5145
somme des inverses des racines des entiers jusqu a n =  142.00392681652718
2*sqrt(n) =  143.45731072343438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.33431441026624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.30741671246844

n =  5146
somme des inverses des racines des entiers jusqu a n =  142.01786689148597
2*sqrt(n) =  143.47125147568764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.34806081794596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.3214546370085

n =  5147
somme des inverses des racines des entiers jusqu a n =  142.03180561218477
2*sqrt(n) =  143.48519087348353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.3618059089308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.33549118820991

n =  5148
somme des inverses des racines des entiers jusqu a n =  142.04574297901823
2*sqrt(n) =  143.49912891721678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.37554968360075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.34952636647478

n =  5149
somme des inverses des racines des entiers jusqu a n =  142.05967899238075
2*sqrt(n) =  143.5130656072819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.38929214233576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.36356017220496

n =  5150
somme des inverses des racines des entiers jusqu a n =  142.07361365266658
2*sqrt(n) =  143.52700094407325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.40303328551548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.37759260580214

n =  5151
somme des inverses des racines des entiers jusqu a n =  142.08754696026978
2*sqrt(n) =  143.54093492798492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.41677311351935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.39162366766772

n =  5152
somme des inverses des racines des entiers jusqu a n =  142.10147891558415
2*sqrt(n) =  143.5548675594109
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.4305116267267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.40565335820298

n =  5153
somme des inverses des racines des entiers jusqu a n =  142.1154095190034
2*sqrt(n) =  143.5687988387449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.44424882551667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.419681677809
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n =  5154
somme des inverses des racines des entiers jusqu a n =  142.12933877092098
2*sqrt(n) =  143.58272876638054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.45798471026825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.4337086268867

n =  5155
somme des inverses des racines des entiers jusqu a n =  142.14326667173017
2*sqrt(n) =  143.59665734271115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.4717192813601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.44773420583667

n =  5156
somme des inverses des racines des entiers jusqu a n =  142.15719322182406
2*sqrt(n) =  143.61058456812992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.48545253917084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.46175841505945

n =  5157
somme des inverses des racines des entiers jusqu a n =  142.17111842159554
2*sqrt(n) =  143.6245104430299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.49918448407894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.47578125495536

n =  5158
somme des inverses des racines des entiers jusqu a n =  142.1850422714373
2*sqrt(n) =  143.6384349678038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.5129151164625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.48980272592442

n =  5159
somme des inverses des racines des entiers jusqu a n =  142.1989647717419
2*sqrt(n) =  143.6523581428443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.52664443669966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.50382282836662

n =  5160
somme des inverses des racines des entiers jusqu a n =  142.21288592290165
2*sqrt(n) =  143.66627996854376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.54037244516815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.51784156268155

n =  5161
somme des inverses des racines des entiers jusqu a n =  142.22680572530868
2*sqrt(n) =  143.68020044529447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.55409914224575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.53185892926882

n =  5162
somme des inverses des racines des entiers jusqu a n =  142.24072417935494
2*sqrt(n) =  143.69411957348845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.5678245283099
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.54587492852772

n =  5163
somme des inverses des racines des entiers jusqu a n =  142.25464128543217
2*sqrt(n) =  143.70803735351757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.58154860373793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.55988956085739

n =  5164
somme des inverses des racines des entiers jusqu a n =  142.26855704393196
2*sqrt(n) =  143.72195378577345
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.59527136890694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.5739028266567

n =  5165
somme des inverses des racines des entiers jusqu a n =  142.28247145524568
2*sqrt(n) =  143.7358688706476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.60899282419388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.58791472632447

n =  5166
somme des inverses des racines des entiers jusqu a n =  142.2963845197645
2*sqrt(n) =  143.74978260853126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.62271296997548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.60192526025915

n =  5167
somme des inverses des racines des entiers jusqu a n =  142.31029623787944
2*sqrt(n) =  143.76369499981558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.6364318066284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.61593442885916

n =  5168
somme des inverses des racines des entiers jusqu a n =  142.3242066099813
2*sqrt(n) =  143.77760604489143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.650149334529
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.62994223252264

n =  5169
somme des inverses des racines des entiers jusqu a n =  142.3381156364607
2*sqrt(n) =  143.79151574414954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.6638655540535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.64394867164754

n =  5170
somme des inverses des racines des entiers jusqu a n =  142.3520233177081
2*sqrt(n) =  143.8054240979804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.67758046557793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.65795374663162

n =  5171
somme des inverses des racines des entiers jusqu a n =  142.3659296541137
2*sqrt(n) =  143.81933110677437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.69129406947815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.67195745787248

n =  5172
somme des inverses des racines des entiers jusqu a n =  142.37983464606756
2*sqrt(n) =  143.83323677092162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.70500636612988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.68595980576748

n =  5173
somme des inverses des racines des entiers jusqu a n =  142.3937382939596
2*sqrt(n) =  143.8471410908121
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.71871735590858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.69996079071385

n =  5174
somme des inverses des racines des entiers jusqu a n =  142.40764059817943
2*sqrt(n) =  143.86104406683555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.7324270391896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.71396041310854

n =  5175
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somme des inverses des racines des entiers jusqu a n =  142.42154155911658
2*sqrt(n) =  143.87494569938158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.746135416348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.72795867334835

n =  5176
somme des inverses des racines des entiers jusqu a n =  142.43544117716033
2*sqrt(n) =  143.8888459888396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.75984248775887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.74195557182995

n =  5177
somme des inverses des racines des entiers jusqu a n =  142.4493394526998
2*sqrt(n) =  143.90274493559878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.7735482537969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.75595110894972

n =  5178
somme des inverses des racines des entiers jusqu a n =  142.4632363861239
2*sqrt(n) =  143.91664254004817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.78725271483668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.76994528510392

n =  5179
somme des inverses des racines des entiers jusqu a n =  142.4771319778214
2*sqrt(n) =  143.93053880257656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.80095587125268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.78393810068852

n =  5180
somme des inverses des racines des entiers jusqu a n =  142.4910262281808
2*sqrt(n) =  143.94443372357264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.81465772341912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.7979295560994

n =  5181
somme des inverses des racines des entiers jusqu a n =  142.50491913759052
2*sqrt(n) =  143.95832730342485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.82835827171007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.81191965173224

n =  5182
somme des inverses des racines des entiers jusqu a n =  142.5188107064387
2*sqrt(n) =  143.97221954252146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.8420575164994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.82590838798248

n =  5183
somme des inverses des racines des entiers jusqu a n =  142.53270093511333
2*sqrt(n) =  143.98611044125056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.85575545816084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.83989576524542

n =  5184
somme des inverses des racines des entiers jusqu a n =  142.5465898240022
2*sqrt(n) =  144.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.8694520970679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.85388178391605

n =  5185
somme des inverses des racines des entiers jusqu a n =  142.56047737349297
2*sqrt(n) =  144.01388821915754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.8831474335939
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.86786644438934
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n =  5186
somme des inverses des racines des entiers jusqu a n =  142.57436358397302
2*sqrt(n) =  144.02777509911067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.89684146811206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.88184974705996

n =  5187
somme des inverses des racines des entiers jusqu a n =  142.5882484558296
2*sqrt(n) =  144.0416606402467
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.9105342009953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.8958316923224

n =  5188
somme des inverses des racines des entiers jusqu a n =  142.6021319894498
2*sqrt(n) =  144.05554484295286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.92422563261653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.90981228057103

n =  5189
somme des inverses des racines des entiers jusqu a n =  142.61601418522042
2*sqrt(n) =  144.06942770761603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.9379157633483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.9237915121999

n =  5190
somme des inverses des racines des entiers jusqu a n =  142.6298950435282
2*sqrt(n) =  144.08330923462302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.95160459356308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.93776938760297

n =  5191
somme des inverses des racines des entiers jusqu a n =  142.64377456475958
2*sqrt(n) =  144.09718942436038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.96529212363316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.951745907174

n =  5192
somme des inverses des racines des entiers jusqu a n =  142.65765274930092
2*sqrt(n) =  144.11106827721457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.97897835393064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.96572107130652

n =  5193
somme des inverses des racines des entiers jusqu a n =  142.67152959753832
2*sqrt(n) =  144.12494579357175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  132.99266328482744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.9796948803939

n =  5194
somme des inverses des racines des entiers jusqu a n =  142.68540510985773
2*sqrt(n) =  144.138821973818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.00634691669532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  148.99366733482935

n =  5195
somme des inverses des racines des entiers jusqu a n =  142.69927928664487
2*sqrt(n) =  144.15269681833914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.0200292499058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.0076384350058

n =  5196
somme des inverses des racines des entiers jusqu a n =  142.71315212828532
2*sqrt(n) =  144.1665703275208
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.0337102848303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.02160818131603

n =  5197
somme des inverses des racines des entiers jusqu a n =  142.72702363516444
2*sqrt(n) =  144.18044250174847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.04739002184004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.03557657415269

n =  5198
somme des inverses des racines des entiers jusqu a n =  142.74089380766748
2*sqrt(n) =  144.19431334140748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.06106846130604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.04954361390818

n =  5199
somme des inverses des racines des entiers jusqu a n =  142.7547626461794
2*sqrt(n) =  144.20818284688286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.07474560359915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.06350930097472

n =  5200
somme des inverses des racines des entiers jusqu a n =  142.768630151085
2*sqrt(n) =  144.22205101855957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.08842144909005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.07747363574433

n =  5201
somme des inverses des racines des entiers jusqu a n =  142.782496322769
2*sqrt(n) =  144.23591785682234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.10209599814928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.09143661860887

n =  5202
somme des inverses des racines des entiers jusqu a n =  142.79636116161578
2*sqrt(n) =  144.2497833620557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.1157692511471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.10539824996

n =  5203
somme des inverses des racines des entiers jusqu a n =  142.81022466800965
2*sqrt(n) =  144.263647534644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.1294412084537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.11935853018915

n =  5204
somme des inverses des racines des entiers jusqu a n =  142.82408684233468
2*sqrt(n) =  144.27751037497146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.14311187043907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.13331745968765

n =  5205
somme des inverses des racines des entiers jusqu a n =  142.83794768497478
2*sqrt(n) =  144.29137188342204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.15678123747298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.14727503884657

n =  5206
somme des inverses des racines des entiers jusqu a n =  142.85180719631364
2*sqrt(n) =  144.30523206037958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.17044930992506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.16123126805684

n =  5207
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somme des inverses des racines des entiers jusqu a n =  142.86566537673482
2*sqrt(n) =  144.31909090622764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.18411608816476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.1751861477091

n =  5208
somme des inverses des racines des entiers jusqu a n =  142.87952222662167
2*sqrt(n) =  144.33294842134973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.19778157256133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.18913967819392

n =  5209
somme des inverses des racines des entiers jusqu a n =  142.89337774635734
2*sqrt(n) =  144.34680460612904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.21144576348385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.20309185990163

n =  5210
somme des inverses des racines des entiers jusqu a n =  142.90723193632482
2*sqrt(n) =  144.3606594609487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.2251086613013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.21704269322242

n =  5211
somme des inverses des racines des entiers jusqu a n =  142.92108479690688
2*sqrt(n) =  144.37451298619158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.23877026638237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.2309921785462

n =  5212
somme des inverses des racines des entiers jusqu a n =  142.93493632848615
2*sqrt(n) =  144.38836518224036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.25243057909563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.24494031626273

n =  5213
somme des inverses des racines des entiers jusqu a n =  142.94878653144505
2*sqrt(n) =  144.40221604947757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.26608959980948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.25888710676162

n =  5214
somme des inverses des racines des entiers jusqu a n =  142.96263540616584
2*sqrt(n) =  144.41606558828556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.2797473288921
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.27283255043227

n =  5215
somme des inverses des racines des entiers jusqu a n =  142.97648295303057
2*sqrt(n) =  144.4299137990465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.2934037667116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.2867766476639

n =  5216
somme des inverses des racines des entiers jusqu a n =  142.9903291724211
2*sqrt(n) =  144.4437606821423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.30705891363584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.30071939884556

n =  5217
somme des inverses des racines des entiers jusqu a n =  143.00417406471917
2*sqrt(n) =  144.45760623795482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.32071277003243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.314660804366
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n =  5218
somme des inverses des racines des entiers jusqu a n =  143.01801763030625
2*sqrt(n) =  144.4714504668656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.33436533626895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.32860086461395

n =  5219
somme des inverses des racines des entiers jusqu a n =  143.0318598695637
2*sqrt(n) =  144.48529336925608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.34801661271268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.3425395799778

n =  5220
somme des inverses des racines des entiers jusqu a n =  143.04570078287267
2*sqrt(n) =  144.49913494550754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.36166659973085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.35647695084586

n =  5221
somme des inverses des racines des entiers jusqu a n =  143.0595403706141
2*sqrt(n) =  144.512975196001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.37531529769046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.3704129776063

n =  5222
somme des inverses des racines des entiers jusqu a n =  143.07337863316877
2*sqrt(n) =  144.52681412111733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.38896270695827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.38434766064685

n =  5223
somme des inverses des racines des entiers jusqu a n =  143.08721557091732
2*sqrt(n) =  144.54065172123723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.40260882790093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.39828100035538

n =  5224
somme des inverses des racines des entiers jusqu a n =  143.10105118424013
2*sqrt(n) =  144.55448799674122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.41625366088496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.41221299711935

n =  5225
somme des inverses des racines des entiers jusqu a n =  143.11488547351746
2*sqrt(n) =  144.5683229480096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.4298972062766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.4261436513261

n =  5226
somme des inverses des racines des entiers jusqu a n =  143.12871843912936
2*sqrt(n) =  144.58215657542254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.44353946444198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.4400729633628

n =  5227
somme des inverses des racines des entiers jusqu a n =  143.14255008145568
2*sqrt(n) =  144.59598887936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.45718043574706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.45400093361644

n =  5228
somme des inverses des racines des entiers jusqu a n =  143.15638040087612
2*sqrt(n) =  144.60981986020175
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.47082012055765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.46792756247382

n =  5229
somme des inverses des racines des entiers jusqu a n =  143.1702093977702
2*sqrt(n) =  144.6236495183274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.48445851923927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.48185285032145

n =  5230
somme des inverses des racines des entiers jusqu a n =  143.18403707251724
2*sqrt(n) =  144.63747785411636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.4980956321574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.49577679754583

n =  5231
somme des inverses des racines des entiers jusqu a n =  143.1978634254964
2*sqrt(n) =  144.65130486794789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.51173145967726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.5096994045332

n =  5232
somme des inverses des racines des entiers jusqu a n =  143.21168845708664
2*sqrt(n) =  144.665130560201
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.52536600216396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.5236206716695

n =  5233
somme des inverses des racines des entiers jusqu a n =  143.22551216766672
2*sqrt(n) =  144.6789549312546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.5389992599824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.5375405993407

n =  5234
somme des inverses des racines des entiers jusqu a n =  143.23933455761528
2*sqrt(n) =  144.69277798148738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.5526312334973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.55145918793244

n =  5235
somme des inverses des racines des entiers jusqu a n =  143.25315562731072
2*sqrt(n) =  144.70659971127785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.56626192307323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.56537643783017

n =  5236
somme des inverses des racines des entiers jusqu a n =  143.26697537713127
2*sqrt(n) =  144.72042012100434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.57989132907454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.57929234941923

n =  5237
somme des inverses des racines des entiers jusqu a n =  143.28079380745504
2*sqrt(n) =  144.734239211045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.59351945186552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.59320692308475

n =  5238
somme des inverses des racines des entiers jusqu a n =  143.29461091865986
2*sqrt(n) =  144.74805698177784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.60714629181018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.60712015921166

n =  5239
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somme des inverses des racines des entiers jusqu a n =  143.30842671112345
2*sqrt(n) =  144.76187343358058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.62077184927236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.62103205818468

n =  5240
somme des inverses des racines des entiers jusqu a n =  143.32224118522333
2*sqrt(n) =  144.77568856683087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.6343961246158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.63494262038841

n =  5241
somme des inverses des racines des entiers jusqu a n =  143.33605434133685
2*sqrt(n) =  144.78950238190612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.64801911820396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.6488518462072

n =  5242
somme des inverses des racines des entiers jusqu a n =  143.34986617984114
2*sqrt(n) =  144.80331487918363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.66164083040027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.6627597360253

n =  5243
somme des inverses des racines des entiers jusqu a n =  143.36367670111323
2*sqrt(n) =  144.81712605904042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.6752612615679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.67666629022668

n =  5244
somme des inverses des racines des entiers jusqu a n =  143.37748590552988
2*sqrt(n) =  144.83093592185338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.6888804120698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.69057150919517

n =  5245
somme des inverses des racines des entiers jusqu a n =  143.39129379346772
2*sqrt(n) =  144.84474446799925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.70249828226886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.70447539331445

n =  5246
somme des inverses des racines des entiers jusqu a n =  143.4051003653032
2*sqrt(n) =  144.85855169785455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.71611487252773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.71837794296795

n =  5247
somme des inverses des racines des entiers jusqu a n =  143.4189056214126
2*sqrt(n) =  144.87235761179562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.72973018320891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.73227915853897

n =  5248
somme des inverses des racines des entiers jusqu a n =  143.43270956217194
2*sqrt(n) =  144.88616221019868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.74334421467475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.74617904041062

n =  5249
somme des inverses des racines des entiers jusqu a n =  143.44651218795718
2*sqrt(n) =  144.89996549343965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.75695696728735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.7600775889658
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n =  5250
somme des inverses des racines des entiers jusqu a n =  143.46031349914404
2*sqrt(n) =  144.9137674618944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.77056844140873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.77397480458723

n =  5251
somme des inverses des racines des entiers jusqu a n =  143.47411349610803
2*sqrt(n) =  144.92756811593853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.7841786374007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.78787068765746

n =  5252
somme des inverses des racines des entiers jusqu a n =  143.48791217922457
2*sqrt(n) =  144.9413674559475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.7977875556248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.80176523855883

n =  5253
somme des inverses des racines des entiers jusqu a n =  143.5017095488688
2*sqrt(n) =  144.95516548229662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.81139519644267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.8156584576736

n =  5254
somme des inverses des racines des entiers jusqu a n =  143.51550560541574
2*sqrt(n) =  144.96896219536097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.8250015602155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.82955034538372

n =  5255
somme des inverses des racines des entiers jusqu a n =  143.52930034924023
2*sqrt(n) =  144.98275759551547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.83860664730443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.843440902071

n =  5256
somme des inverses des racines des entiers jusqu a n =  143.54309378071693
2*sqrt(n) =  144.99655168313487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.85221045807043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.8573301281171

n =  5257
somme des inverses des racines des entiers jusqu a n =  143.55688590022032
2*sqrt(n) =  145.01034445859372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.86581299287428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.87121802390345

n =  5258
somme des inverses des racines des entiers jusqu a n =  143.5706767081247
2*sqrt(n) =  145.0241359222664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.87941425207657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.8851045898113

n =  5259
somme des inverses des racines des entiers jusqu a n =  143.58446620480416
2*sqrt(n) =  145.03792607452715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.8930142360378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.89898982622182

n =  5260
somme des inverses des racines des entiers jusqu a n =  143.59825439063266
2*sqrt(n) =  145.05171491574995
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.9066129451182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.91287373351582

n =  5261
somme des inverses des racines des entiers jusqu a n =  143.61204126598395
2*sqrt(n) =  145.06550244630873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.92021037967794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.92675631207413

n =  5262
somme des inverses des racines des entiers jusqu a n =  143.62582683123162
2*sqrt(n) =  145.07928866657707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.93380654007683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.94063756227717

n =  5263
somme des inverses des racines des entiers jusqu a n =  143.63961108674908
2*sqrt(n) =  145.09307357692853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.94740142667476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.95451748450543

n =  5264
somme des inverses des racines des entiers jusqu a n =  143.65339403290957
2*sqrt(n) =  145.10685717773643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.9609950398313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.968396079139

n =  5265
somme des inverses des racines des entiers jusqu a n =  143.66717567008615
2*sqrt(n) =  145.12063946937388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.9745873799058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.98227334655792

n =  5266
somme des inverses des racines des entiers jusqu a n =  143.68095599865168
2*sqrt(n) =  145.13442045221387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  133.9881784472576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  149.996149287142

n =  5267
somme des inverses des racines des entiers jusqu a n =  143.69473501897886
2*sqrt(n) =  145.1482001266292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.00176824224582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.0100239012709

n =  5268
somme des inverses des racines des entiers jusqu a n =  143.70851273144024
2*sqrt(n) =  145.16197849299243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.01535676522926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.023897189324

n =  5269
somme des inverses des racines des entiers jusqu a n =  143.72228913640814
2*sqrt(n) =  145.17575555167605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.02894401656675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.0377691516807

n =  5270
somme des inverses des racines des entiers jusqu a n =  143.7360642342547
2*sqrt(n) =  145.1895313030523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.04252999661688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.05163978872

n =  5271
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somme des inverses des racines des entiers jusqu a n =  143.74983802535198
2*sqrt(n) =  145.20330574749323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.05611470573803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.06550910082083

n =  5272
somme des inverses des racines des entiers jusqu a n =  143.76361051007177
2*sqrt(n) =  145.21707888537077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.06969814428842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.07937708836192

n =  5273
somme des inverses des racines des entiers jusqu a n =  143.7773816887857
2*sqrt(n) =  145.23085071705668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.08328031262621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.0932437517219

n =  5274
somme des inverses des racines des entiers jusqu a n =  143.79115156186523
2*sqrt(n) =  145.24462124292245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.09686121110923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.10710909127906

n =  5275
somme des inverses des racines des entiers jusqu a n =  143.80492012968168
2*sqrt(n) =  145.2583904633395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.11044084009524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.12097310741163

n =  5276
somme des inverses des racines des entiers jusqu a n =  143.8186873926061
2*sqrt(n) =  145.27215837867902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.1240191999418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.13483580049763

n =  5277
somme des inverses des racines des entiers jusqu a n =  143.8324533510095
2*sqrt(n) =  145.28592498931204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.13759629100636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.14869717091486

n =  5278
somme des inverses des racines des entiers jusqu a n =  143.84621800526259
2*sqrt(n) =  145.29969029560937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.1511721136461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.162557219041

n =  5279
somme des inverses des racines des entiers jusqu a n =  143.85998135573595
2*sqrt(n) =  145.31345429794172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.1647466682181
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.17641594525352

n =  5280
somme des inverses des racines des entiers jusqu a n =  143.87374340280005
2*sqrt(n) =  145.3272169966796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.1783199550793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.19027334992975

n =  5281
somme des inverses des racines des entiers jusqu a n =  143.88750414682505
2*sqrt(n) =  145.3409783921933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.19189197458638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.20412943344678
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n =  5282
somme des inverses des racines des entiers jusqu a n =  143.90126358818105
2*sqrt(n) =  145.354738484853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.20546272709592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.21798419618153

n =  5283
somme des inverses des racines des entiers jusqu a n =  143.91502172723793
2*sqrt(n) =  145.3684972750286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.2190322129643
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.23183763851077

n =  5284
somme des inverses des racines des entiers jusqu a n =  143.9287785643654
2*sqrt(n) =  145.38225476308997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.23260043254777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.24568976081108

n =  5285
somme des inverses des racines des entiers jusqu a n =  143.94253409993297
2*sqrt(n) =  145.39601094940673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.2461673862024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.2595405634589

n =  5286
somme des inverses des racines des entiers jusqu a n =  143.95628833431005
2*sqrt(n) =  145.4097658343483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.25973307428407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.2733900468304

n =  5287
somme des inverses des racines des entiers jusqu a n =  143.97004126786578
2*sqrt(n) =  145.42351941828392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.27329749714846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.28723821130163

n =  5288
somme des inverses des racines des entiers jusqu a n =  143.98379290096918
2*sqrt(n) =  145.43727170158274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.28686065515123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.3010850572485

n =  5289
somme des inverses des racines des entiers jusqu a n =  143.9975432339891
2*sqrt(n) =  145.45102268461366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.30042254864767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.31493058504665

n =  5290
somme des inverses des racines des entiers jusqu a n =  144.01129226729418
2*sqrt(n) =  145.46477236774544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.3139831779931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.3287747950716

n =  5291
somme des inverses des racines des entiers jusqu a n =  144.0250400012529
2*sqrt(n) =  145.47852075134665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.32754254354253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.34261768769872

n =  5292
somme des inverses des racines des entiers jusqu a n =  144.0387864362336
2*sqrt(n) =  145.4922678357857
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.34110064565084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.35645926330312

n =  5293
somme des inverses des racines des entiers jusqu a n =  144.0525315726044
2*sqrt(n) =  145.50601362143078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.3546574846728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.37029952225976

n =  5294
somme des inverses des racines des entiers jusqu a n =  144.06627541073328
2*sqrt(n) =  145.51975810864997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.36821306096292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.38413846494348

n =  5295
somme des inverses des racines des entiers jusqu a n =  144.08001795098804
2*sqrt(n) =  145.53350129781114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.38176737487564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.39797609172888

n =  5296
somme des inverses des racines des entiers jusqu a n =  144.09375919373628
2*sqrt(n) =  145.54724318928203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.39532042676518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.41181240299045

n =  5297
somme des inverses des racines des entiers jusqu a n =  144.10749913934544
2*sqrt(n) =  145.5609837834301
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.40887221698557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.42564739910236

n =  5298
somme des inverses des racines des entiers jusqu a n =  144.12123778818278
2*sqrt(n) =  145.57472308062276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.42242274589074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.43948108043875

n =  5299
somme des inverses des racines des entiers jusqu a n =  144.13497514061544
2*sqrt(n) =  145.58846108122717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.4359720138344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.45331344737355

n =  5300
somme des inverses des racines des entiers jusqu a n =  144.1487111970103
2*sqrt(n) =  145.60219778561037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.44952002117017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.46714450028048

n =  5301
somme des inverses des racines des entiers jusqu a n =  144.16244595773415
2*sqrt(n) =  145.61593319413916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.46306676825137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.48097423953305

n =  5302
somme des inverses des racines des entiers jusqu a n =  144.17617942315354
2*sqrt(n) =  145.62966730718023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.47661225543126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.49480266550472

n =  5303
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somme des inverses des racines des entiers jusqu a n =  144.1899115936349
2*sqrt(n) =  145.64340012510007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.49015648306295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.50862977856863

n =  5304
somme des inverses des racines des entiers jusqu a n =  144.2036424695444
2*sqrt(n) =  145.657131648265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.5036994514993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.52245557909785

n =  5305
somme des inverses des racines des entiers jusqu a n =  144.2173720512482
2*sqrt(n) =  145.67086187704115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.51724116109307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.53628006746519

n =  5306
somme des inverses des racines des entiers jusqu a n =  144.2311003391121
2*sqrt(n) =  145.6845908117945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.53078161219682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.55010324404333

n =  5307
somme des inverses des racines des entiers jusqu a n =  144.24482733350186
2*sqrt(n) =  145.69831845289087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.54432080516298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.5639251092048

n =  5308
somme des inverses des racines des entiers jusqu a n =  144.258553034783
2*sqrt(n) =  145.71204480069588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.5578587403438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.57774566332193

n =  5309
somme des inverses des racines des entiers jusqu a n =  144.27227744332092
2*sqrt(n) =  145.72576985557495
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.5713954180913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.5915649067668

n =  5310
somme des inverses des racines des entiers jusqu a n =  144.28600055948078
2*sqrt(n) =  145.73949361789343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.58493083875746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.6053828399114

n =  5311
somme des inverses des racines des entiers jusqu a n =  144.29972238362765
2*sqrt(n) =  145.7532160880164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.59846500269398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.6191994631276

n =  5312
somme des inverses des racines des entiers jusqu a n =  144.31344291612638
2*sqrt(n) =  145.7669372663088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.6119979102525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.63301477678692

n =  5313
somme des inverses des racines des entiers jusqu a n =  144.3271621573416
2*sqrt(n) =  145.78065715313537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.62552956178442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.64682878126084
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n =  5314
somme des inverses des racines des entiers jusqu a n =  144.34088010763787
2*sqrt(n) =  145.79437574886077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.63905995764102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.66064147692066

n =  5315
somme des inverses des racines des entiers jusqu a n =  144.35459676737952
2*sqrt(n) =  145.80809305384938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.65258909817334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.6744528641374

n =  5316
somme des inverses des racines des entiers jusqu a n =  144.36831213693074
2*sqrt(n) =  145.82180906846548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.66611698373237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.68826294328204

n =  5317
somme des inverses des racines des entiers jusqu a n =  144.3820262166555
2*sqrt(n) =  145.83552379307312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.67964361466878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.7020717147253

n =  5318
somme des inverses des racines des entiers jusqu a n =  144.39573900691764
2*sqrt(n) =  145.84923722803626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.6931689913333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.71587917883772

n =  5319
somme des inverses des racines des entiers jusqu a n =  144.4094505080808
2*sqrt(n) =  145.8629493737186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.7066931140763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.72968533598976

n =  5320
somme des inverses des racines des entiers jusqu a n =  144.42316072050846
2*sqrt(n) =  145.87666023048376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.72021598324807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.7434901865516

n =  5321
somme des inverses des racines des entiers jusqu a n =  144.43686964456396
2*sqrt(n) =  145.89036979869508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.73373759919872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.75729373089325

n =  5322
somme des inverses des racines des entiers jusqu a n =  144.45057728061045
2*sqrt(n) =  145.9040780787158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.74725796227818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.77109596938462

n =  5323
somme des inverses des racines des entiers jusqu a n =  144.46428362901088
2*sqrt(n) =  145.91778507090902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.76077707283628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.7848969023954

n =  5324
somme des inverses des racines des entiers jusqu a n =  144.47798869012806
2*sqrt(n) =  145.9314907756376
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.7742949312226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.7986965302951

n =  5325
somme des inverses des racines des entiers jusqu a n =  144.49169246432461
2*sqrt(n) =  145.94519519326425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.78781153778664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.81249485345307

n =  5326
somme des inverses des racines des entiers jusqu a n =  144.505394951963
2*sqrt(n) =  145.9588983241515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.80132689287763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.82629187223844

n =  5327
somme des inverses des racines des entiers jusqu a n =  144.51909615340554
2*sqrt(n) =  145.97260016866178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.8148409968448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.8400875870203

n =  5328
somme des inverses des racines des entiers jusqu a n =  144.53279606901432
2*sqrt(n) =  145.98630072715727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.82835385003705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.85388199816737

n =  5329
somme des inverses des racines des entiers jusqu a n =  144.5464946991513
2*sqrt(n) =  146.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.84186545280323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.86767510604838

n =  5330
somme des inverses des racines des entiers jusqu a n =  144.56019204417828
2*sqrt(n) =  146.01369798755184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.85537580549195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.88146691103177

n =  5331
somme des inverses des racines des entiers jusqu a n =  144.57388810445684
2*sqrt(n) =  146.02739469017448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.86888490845172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.89525741348587

n =  5332
somme des inverses des racines des entiers jusqu a n =  144.58758288034846
2*sqrt(n) =  146.04109010822947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.88239276203086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.90904661377877

n =  5333
somme des inverses des racines des entiers jusqu a n =  144.60127637221441
2*sqrt(n) =  146.05478424207814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.89589936657754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.92283451227843

n =  5334
somme des inverses des racines des entiers jusqu a n =  144.61496858041576
2*sqrt(n) =  146.0684770920817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.90940472243975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.93662110935267

n =  5335
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somme des inverses des racines des entiers jusqu a n =  144.62865950531346
2*sqrt(n) =  146.08216865860118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.92290882996534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.9504064053691

n =  5336
somme des inverses des racines des entiers jusqu a n =  144.6423491472683
2*sqrt(n) =  146.0958589419974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.93641168950194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.96419040069512

n =  5337
somme des inverses des racines des entiers jusqu a n =  144.65603750664087
2*sqrt(n) =  146.10954794263105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.94991330139712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.97797309569802

n =  5338
somme des inverses des racines des entiers jusqu a n =  144.66972458379158
2*sqrt(n) =  146.12323566086263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.96341366599816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  150.99175449074485

n =  5339
somme des inverses des racines des entiers jusqu a n =  144.68341037908067
2*sqrt(n) =  146.13692209705252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.97691278365232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.0055345862026

n =  5340
somme des inverses des racines des entiers jusqu a n =  144.69709489286828
2*sqrt(n) =  146.15060725156087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  134.99041065470664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.01931338243799

n =  5341
somme des inverses des racines des entiers jusqu a n =  144.71077812551428
2*sqrt(n) =  146.1642911247477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.00390727950793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.0330908798176

n =  5342
somme des inverses des racines des entiers jusqu a n =  144.72446007737847
2*sqrt(n) =  146.17797371697284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.01740265840294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.0468670787078

n =  5343
somme des inverses des racines des entiers jusqu a n =  144.7381407488204
2*sqrt(n) =  146.19165502859593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.03089679173817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.0606419794748

n =  5344
somme des inverses des racines des entiers jusqu a n =  144.75182014019953
2*sqrt(n) =  146.20533505997653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.04438967986005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.07441558248476

n =  5345
somme des inverses des racines des entiers jusqu a n =  144.76549825187507
2*sqrt(n) =  146.21901381147393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.0578813231148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.0881878881035
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n =  5346
somme des inverses des racines des entiers jusqu a n =  144.77917508420612
2*sqrt(n) =  146.23269128344728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.07137172184844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.10195889669671

n =  5347
somme des inverses des racines des entiers jusqu a n =  144.79285063755157
2*sqrt(n) =  146.24636747625564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.0848608764069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.11572860863

n =  5348
somme des inverses des racines des entiers jusqu a n =  144.80652491227016
2*sqrt(n) =  146.26004239025778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.09834878713596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.1294970242687

n =  5349
somme des inverses des racines des entiers jusqu a n =  144.8201979087205
2*sqrt(n) =  146.27371602581238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.11183545438112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.143264143978

n =  5350
somme des inverses des racines des entiers jusqu a n =  144.83386962726098
2*sqrt(n) =  146.28738838327794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.12532087848788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.15702996812297

n =  5351
somme des inverses des racines des entiers jusqu a n =  144.84754006824986
2*sqrt(n) =  146.30105946301276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.13880505980146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.1707944970684

n =  5352
somme des inverses des racines des entiers jusqu a n =  144.8612092320452
2*sqrt(n) =  146.31472926537506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.152287998667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.1845577311791

n =  5353
somme des inverses des racines des entiers jusqu a n =  144.87487711900494
2*sqrt(n) =  146.32839779072276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.1657696954294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.19831967081944

n =  5354
somme des inverses des racines des entiers jusqu a n =  144.88854372948677
2*sqrt(n) =  146.34206503941374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.17925015043346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.21208031635388

n =  5355
somme des inverses des racines des entiers jusqu a n =  144.9022090638483
2*sqrt(n) =  146.3557310118056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.19272936402376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.22583966814653

n =  5356
somme des inverses des racines des entiers jusqu a n =  144.9158731224469
2*sqrt(n) =  146.3693957082559
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.20620733654482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.2395977265614

n =  5357
somme des inverses des racines des entiers jusqu a n =  144.92953590563982
2*sqrt(n) =  146.3830591291219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.21968406834094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.25335449196237

n =  5358
somme des inverses des racines des entiers jusqu a n =  144.94319741378416
2*sqrt(n) =  146.3967212747608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.23315955975625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.2671099647131

n =  5359
somme des inverses des racines des entiers jusqu a n =  144.9568576472368
2*sqrt(n) =  146.41038214552955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.2466338111347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.28086414517696

n =  5360
somme des inverses des racines des entiers jusqu a n =  144.9705166063545
2*sqrt(n) =  146.424041741785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.26010682282015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.29461703371743

n =  5361
somme des inverses des racines des entiers jusqu a n =  144.98417429149382
2*sqrt(n) =  146.43770006388382
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.2735785951563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.3083686306976

n =  5362
somme des inverses des racines des entiers jusqu a n =  144.99783070301118
2*sqrt(n) =  146.45135711218248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.2870491284866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.32211893648042

n =  5363
somme des inverses des racines des entiers jusqu a n =  145.0114858412628
2*sqrt(n) =  146.4650128870373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.30051842315436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.33586795142875

n =  5364
somme des inverses des racines des entiers jusqu a n =  145.0251397066048
2*sqrt(n) =  146.47866738880444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.3139864795029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.34961567590523

n =  5365
somme des inverses des racines des entiers jusqu a n =  145.03879229939304
2*sqrt(n) =  146.4923206178399
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.3274532978751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.3633621102723

n =  5366
somme des inverses des racines des entiers jusqu a n =  145.05244361998328
2*sqrt(n) =  146.5059725744995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.34091887861393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.37710725489228

n =  5367
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somme des inverses des racines des entiers jusqu a n =  145.0660936687311
2*sqrt(n) =  146.5196232591389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.3543832220621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.39085111012733

n =  5368
somme des inverses des racines des entiers jusqu a n =  145.0797424459919
2*sqrt(n) =  146.5332726721136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.3678463285621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.40459367633937

n =  5369
somme des inverses des racines des entiers jusqu a n =  145.09338995212096
2*sqrt(n) =  146.54692081377897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.3813081984564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.41833495389025

n =  5370
somme des inverses des racines des entiers jusqu a n =  145.10703618747334
2*sqrt(n) =  146.56056768449008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.39476883208718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.43207494314154

n =  5371
somme des inverses des racines des entiers jusqu a n =  145.12068115240396
2*sqrt(n) =  146.574213284602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.40822822979655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.44581364445472

n =  5372
somme des inverses des racines des entiers jusqu a n =  145.13432484726755
2*sqrt(n) =  146.58785761446956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.42168639192644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.45955105819112

n =  5373
somme des inverses des racines des entiers jusqu a n =  145.14796727241873
2*sqrt(n) =  146.6015006744474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.4351433188186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.4732871847118

n =  5374
somme des inverses des racines des entiers jusqu a n =  145.16160842821188
2*sqrt(n) =  146.61514246489003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.4485990108146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.48702202437775

n =  5375
somme des inverses des racines des entiers jusqu a n =  145.17524831500128
2*sqrt(n) =  146.6287829861518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.46205346825593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.50075557754974

n =  5376
somme des inverses des racines des entiers jusqu a n =  145.18888693314102
2*sqrt(n) =  146.64242223858687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.4755066914839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.51448784458836

n =  5377
somme des inverses des racines des entiers jusqu a n =  145.20252428298502
2*sqrt(n) =  146.65606022254929
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.4889586808396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.5282188258541
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n =  5378
somme des inverses des racines des entiers jusqu a n =  145.21616036488706
2*sqrt(n) =  146.66969693839283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.50240943666404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.54194852170724

n =  5379
somme des inverses des racines des entiers jusqu a n =  145.22979517920072
2*sqrt(n) =  146.68333238647122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.515858959298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.55567693250785

n =  5380
somme des inverses des racines des entiers jusqu a n =  145.24342872627946
2*sqrt(n) =  146.696966567138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.52930724908217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.5694040586159

n =  5381
somme des inverses des racines des entiers jusqu a n =  145.25706100647653
2*sqrt(n) =  146.71059948074645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.54275430635704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.58312990039116

n =  5382
somme des inverses des racines des entiers jusqu a n =  145.27069202014502
2*sqrt(n) =  146.7242311276498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.55620013146296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.59685445819323

n =  5383
somme des inverses des racines des entiers jusqu a n =  145.2843217676379
2*sqrt(n) =  146.7378615082011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.56964472474013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.61057773238156

n =  5384
somme des inverses des racines des entiers jusqu a n =  145.29795024930792
2*sqrt(n) =  146.75149062275312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.58308808652856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.6242997233154

n =  5385
somme des inverses des racines des entiers jusqu a n =  145.3115774655077
2*sqrt(n) =  146.76511847165867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.59653021716818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.6380204313539

n =  5386
somme des inverses des racines des entiers jusqu a n =  145.3252034165897
2*sqrt(n) =  146.77874505527018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.60997111699865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.65173985685595

n =  5387
somme des inverses des racines des entiers jusqu a n =  145.33882810290618
2*sqrt(n) =  146.7923703739401
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.62341078635956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.66545800018034

n =  5388
somme des inverses des racines des entiers jusqu a n =  145.3524515248093
2*sqrt(n) =  146.80599442802054
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.63684922559028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.67917486168565

n =  5389
somme des inverses des racines des entiers jusqu a n =  145.366073682651
2*sqrt(n) =  146.81961721786362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.65028643503013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.69289044173036

n =  5390
somme des inverses des racines des entiers jusqu a n =  145.3796945767831
2*sqrt(n) =  146.83323874382123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.66372241501819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.70660474067273

n =  5391
somme des inverses des racines des entiers jusqu a n =  145.39331420755718
2*sqrt(n) =  146.846859006245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.67715716589333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.72031775887083

n =  5392
somme des inverses des racines des entiers jusqu a n =  145.40693257532476
2*sqrt(n) =  146.86047800548656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.69059068799442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.7340294966826

n =  5393
somme des inverses des racines des entiers jusqu a n =  145.42054968043712
2*sqrt(n) =  146.87409574189726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.70402298166005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.74773995446589

n =  5394
somme des inverses des racines des entiers jusqu a n =  145.4341655232454
2*sqrt(n) =  146.88771221582832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.71745404722864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.76144913257815

n =  5395
somme des inverses des racines des entiers jusqu a n =  145.44778010410062
2*sqrt(n) =  146.90132742763083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.7308838850386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.77515703137695

n =  5396
somme des inverses des racines des entiers jusqu a n =  145.46139342335354
2*sqrt(n) =  146.91494137765565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.744312495428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.78886365121946

n =  5397
somme des inverses des racines des entiers jusqu a n =  145.47500548135486
2*sqrt(n) =  146.92855406625358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.75773987873495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.8025689924629

n =  5398
somme des inverses des racines des entiers jusqu a n =  145.48861627845505
2*sqrt(n) =  146.94216549377512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.77116603529717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.81627305546408

n =  5399
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somme des inverses des racines des entiers jusqu a n =  145.50222581500446
2*sqrt(n) =  146.95577566057077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.78459096545248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.8299758405799

n =  5400
somme des inverses des racines des entiers jusqu a n =  145.51583409135327
2*sqrt(n) =  146.9693845669907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.79801466953833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.84367734816686

n =  5401
somme des inverses des racines des entiers jusqu a n =  145.52944110785145
2*sqrt(n) =  146.98299221338502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.81143714789212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.85737757858146

n =  5402
somme des inverses des racines des entiers jusqu a n =  145.54304686484886
2*sqrt(n) =  146.99659860010368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.82485840085113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.87107653217996

n =  5403
somme des inverses des racines des entiers jusqu a n =  145.5566513626952
2*sqrt(n) =  147.01020372749642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.83827842875235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.88477420931844

n =  5404
somme des inverses des racines des entiers jusqu a n =  145.57025460173998
2*sqrt(n) =  147.02380759591284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.85169723193275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.8984706103529

n =  5405
somme des inverses des racines des entiers jusqu a n =  145.58385658233254
2*sqrt(n) =  147.0374102057024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.8651148107291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.91216573563906

n =  5406
somme des inverses des racines des entiers jusqu a n =  145.59745730482211
2*sqrt(n) =  147.0510115572144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.878531165478
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.92585958553258

n =  5407
somme des inverses des racines des entiers jusqu a n =  145.6110567695577
2*sqrt(n) =  147.0646116507979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.8919462965159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.9395521603889

n =  5408
somme des inverses des racines des entiers jusqu a n =  145.62465497688822
2*sqrt(n) =  147.07821048680188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.9053602041791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.95324346056327

n =  5409
somme des inverses des racines des entiers jusqu a n =  145.63825192716234
2*sqrt(n) =  147.09180806557515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.91877288880372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.96693348641085
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n =  5410
somme des inverses des racines des entiers jusqu a n =  145.65184762072866
2*sqrt(n) =  147.10540438746634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.9321843507258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.9806222382866

n =  5411
somme des inverses des racines des entiers jusqu a n =  145.66544205793554
2*sqrt(n) =  147.1189994528239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.9455945902812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  151.99430971654527

n =  5412
somme des inverses des racines des entiers jusqu a n =  145.67903523913122
2*sqrt(n) =  147.13259326199616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.9590036078055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.0079959215415

n =  5413
somme des inverses des racines des entiers jusqu a n =  145.69262716466378
2*sqrt(n) =  147.14618581533128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.9724114036343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.02168085362976

n =  5414
somme des inverses des racines des entiers jusqu a n =  145.7062178348811
2*sqrt(n) =  147.15977711317723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.985817978103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.03536451316435

n =  5415
somme des inverses des racines des entiers jusqu a n =  145.71980725013094
2*sqrt(n) =  147.17336715588183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  135.99922333154674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.04904690049938

n =  5416
somme des inverses des racines des entiers jusqu a n =  145.73339541076092
2*sqrt(n) =  147.18695594379278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.01262746430066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.06272801598882

n =  5417
somme des inverses des racines des entiers jusqu a n =  145.74698231711844
2*sqrt(n) =  147.20054347725758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.02603037669968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.07640785998652

n =  5418
somme des inverses des racines des entiers jusqu a n =  145.76056796955075
2*sqrt(n) =  147.21412975662358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.03943206907854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.0900864328461

n =  5419
somme des inverses des racines des entiers jusqu a n =  145.774152368405
2*sqrt(n) =  147.22771478223794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.05283254177183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.103763734921

n =  5420
somme des inverses des racines des entiers jusqu a n =  145.7877355140281
2*sqrt(n) =  147.2412985544477
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.06623179511402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.11743976656453

n =  5421
somme des inverses des racines des entiers jusqu a n =  145.80131740676686
2*sqrt(n) =  147.25488107359973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.0796298294394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.1311145281299

n =  5422
somme des inverses des racines des entiers jusqu a n =  145.8148980469679
2*sqrt(n) =  147.26846234004074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.09302664508215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.14478801997004

n =  5423
somme des inverses des racines des entiers jusqu a n =  145.82847743497769
2*sqrt(n) =  147.2820423541173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.10642224237623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.15846024243783

n =  5424
somme des inverses des racines des entiers jusqu a n =  145.84205557114254
2*sqrt(n) =  147.29562111617574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.1198166216555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.17213119588584

n =  5425
somme des inverses des racines des entiers jusqu a n =  145.85563245580857
2*sqrt(n) =  147.30919862656236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.1332097832537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.18580088066668

n =  5426
somme des inverses des racines des entiers jusqu a n =  145.8692080893218
2*sqrt(n) =  147.32277488562318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.1466017275043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.19946929713262

n =  5427
somme des inverses des racines des entiers jusqu a n =  145.88278247202805
2*sqrt(n) =  147.3363498937041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.1599924547407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.2131364456358

n =  5428
somme des inverses des racines des entiers jusqu a n =  145.896355604273
2*sqrt(n) =  147.3499236511509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.17338196529616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.2268023265283

n =  5429
somme des inverses des racines des entiers jusqu a n =  145.90992748640215
2*sqrt(n) =  147.36349615830918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.18677025950373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.2404669401619

n =  5430
somme des inverses des racines des entiers jusqu a n =  145.92349811876085
2*sqrt(n) =  147.37706741552432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.20015733769634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.2541302868883

n =  5431
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somme des inverses des racines des entiers jusqu a n =  145.9370675016943
2*sqrt(n) =  147.39063742314164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.2135432002068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.26779236705906

n =  5432
somme des inverses des racines des entiers jusqu a n =  145.9506356355475
2*sqrt(n) =  147.40420618150623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.2269278473677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.28145318102548

n =  5433
somme des inverses des racines des entiers jusqu a n =  145.9642025206654
2*sqrt(n) =  147.41777369096306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.24031127951153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.29511272913882

n =  5434
somme des inverses des racines des entiers jusqu a n =  145.97776815739266
2*sqrt(n) =  147.4313399518569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.2536934969706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.30877101175005

n =  5435
somme des inverses des racines des entiers jusqu a n =  145.99133254607386
2*sqrt(n) =  147.44490496453244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.26707450007714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.3224280292101

n =  5436
somme des inverses des racines des entiers jusqu a n =  146.0048956870534
2*sqrt(n) =  147.4584687293341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.28045428916306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.3360837818696

n =  5437
somme des inverses des racines des entiers jusqu a n =  146.0184575806755
2*sqrt(n) =  147.4720312466062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.2938328645603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.34973827007917

n =  5438
somme des inverses des racines des entiers jusqu a n =  146.03201822728423
2*sqrt(n) =  147.48559251669298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.30721022660057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.3633914941892

n =  5439
somme des inverses des racines des entiers jusqu a n =  146.04557762722354
2*sqrt(n) =  147.49915253993834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.3205863756154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.3770434545498

n =  5440
somme des inverses des racines des entiers jusqu a n =  146.0591357808372
2*sqrt(n) =  147.5127113166862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.3339613119362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.39069415151118

n =  5441
somme des inverses des racines des entiers jusqu a n =  146.07269268846883
2*sqrt(n) =  147.52626884728022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.3473350358943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.4043435854232
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n =  5442
somme des inverses des racines des entiers jusqu a n =  146.08624835046186
2*sqrt(n) =  147.53982513206392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.36070754782074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.4179917566355

n =  5443
somme des inverses des racines des entiers jusqu a n =  146.0998027671596
2*sqrt(n) =  147.5533801713807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.3740788480465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.4316386654978

n =  5444
somme des inverses des racines des entiers jusqu a n =  146.11335593890513
2*sqrt(n) =  147.56693396557372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.3874489369024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.4452843123594

n =  5445
somme des inverses des racines des entiers jusqu a n =  146.1269078660415
2*sqrt(n) =  147.58048651498612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.40081781471906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.45892869756963

n =  5446
somme des inverses des racines des entiers jusqu a n =  146.1404585489115
2*sqrt(n) =  147.59403781996073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.41418548182702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.47257182147757

n =  5447
somme des inverses des racines des entiers jusqu a n =  146.1540079878578
2*sqrt(n) =  147.60758788084033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.42755193855666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.48621368443216

n =  5448
somme des inverses des racines des entiers jusqu a n =  146.16755618322287
2*sqrt(n) =  147.62113669796747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.44091718523813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.49985428678215

n =  5449
somme des inverses des racines des entiers jusqu a n =  146.1811031353491
2*sqrt(n) =  147.63468427168462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.45428122220153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.51349362887618

n =  5450
somme des inverses des racines des entiers jusqu a n =  146.19464884457867
2*sqrt(n) =  147.648230602334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.4676440497767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.52713171106262

n =  5451
somme des inverses des racines des entiers jusqu a n =  146.2081933112536
2*sqrt(n) =  147.66177569025777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.4810056682935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.5407685336899

n =  5452
somme des inverses des racines des entiers jusqu a n =  146.22173653571582
2*sqrt(n) =  147.67531953579785
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.49436607808144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.55440409710607

n =  5453
somme des inverses des racines des entiers jusqu a n =  146.23527851830698
2*sqrt(n) =  147.68886213929608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.50772527947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.5680384016591

n =  5454
somme des inverses des racines des entiers jusqu a n =  146.2488192593687
2*sqrt(n) =  147.70240350109404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.5210832727885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.5816714476968

n =  5455
somme des inverses des racines des entiers jusqu a n =  146.26235875924235
2*sqrt(n) =  147.71594362153328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.53444005836613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.59530323556686

n =  5456
somme des inverses des racines des entiers jusqu a n =  146.2758970182692
2*sqrt(n) =  147.7294825009551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.54779563653182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.60893376561674

n =  5457
somme des inverses des racines des entiers jusqu a n =  146.28943403679034
2*sqrt(n) =  147.7430201397007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.56115000761446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.6225630381938

n =  5458
somme des inverses des racines des entiers jusqu a n =  146.3029698151467
2*sqrt(n) =  147.75655653811103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.57450317194275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.63619105364518

n =  5459
somme des inverses des racines des entiers jusqu a n =  146.31650435367908
2*sqrt(n) =  147.770091696527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.58785512984525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.64981781231788

n =  5460
somme des inverses des racines des entiers jusqu a n =  146.3300376527281
2*sqrt(n) =  147.78362561528934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.6012058816504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.6634433145588

n =  5461
somme des inverses des racines des entiers jusqu a n =  146.34356971263423
2*sqrt(n) =  147.79715829473852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.61455542768638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.6770675607146

n =  5462
somme des inverses des racines des entiers jusqu a n =  146.3571005337378
2*sqrt(n) =  147.81068973521502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.62790376828139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.69069055113184

n =  5463
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somme des inverses des racines des entiers jusqu a n =  146.37063011637892
2*sqrt(n) =  147.82421993705904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.64125090376334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.7043122861569

n =  5464
somme des inverses des racines des entiers jusqu a n =  146.38415846089765
2*sqrt(n) =  147.83774890061062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.65459683446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.71793276613593

n =  5465
somme des inverses des racines des entiers jusqu a n =  146.3976855676338
2*sqrt(n) =  147.85127662620977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.66794156069912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.73155199141507

n =  5466
somme des inverses des racines des entiers jusqu a n =  146.4112114369271
2*sqrt(n) =  147.86480311419618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.68128508280816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.74516996234019

n =  5467
somme des inverses des racines des entiers jusqu a n =  146.42473606911705
2*sqrt(n) =  147.87832836490952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.69462740111453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.758786679257

n =  5468
somme des inverses des racines des entiers jusqu a n =  146.43825946454305
2*sqrt(n) =  147.8918523786892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.70796851594537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.7724021425111

n =  5469
somme des inverses des racines des entiers jusqu a n =  146.45178162354432
2*sqrt(n) =  147.90537515587457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.7213084276278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.78601635244794

n =  5470
somme des inverses des racines des entiers jusqu a n =  146.46530254645992
2*sqrt(n) =  147.91889669680478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.73464713648875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.79962930941278

n =  5471
somme des inverses des racines des entiers jusqu a n =  146.4788222336288
2*sqrt(n) =  147.93241700181878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.74798464285496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.81324101375068

n =  5472
somme des inverses des racines des entiers jusqu a n =  146.49234068538968
2*sqrt(n) =  147.94593607125543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.76132094705304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.8268514658066

n =  5473
somme des inverses des racines des entiers jusqu a n =  146.5058579020812
2*sqrt(n) =  147.95945390545344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.77465604940954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.8404606659254
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n =  5474
somme des inverses des racines des entiers jusqu a n =  146.5193738840418
2*sqrt(n) =  147.97297050475132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.7879899502507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.85406861445162

n =  5475
somme des inverses des racines des entiers jusqu a n =  146.5328886316098
2*sqrt(n) =  147.9864858694874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.80132264990272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.86767531172976

n =  5476
somme des inverses des racines des entiers jusqu a n =  146.54640214512332
2*sqrt(n) =  148.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.81465414869166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.88128075810417

n =  5477
somme des inverses des racines des entiers jusqu a n =  146.55991442492035
2*sqrt(n) =  148.0135128966271
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.8279844469434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.89488495391896

n =  5478
somme des inverses des racines des entiers jusqu a n =  146.57342547133874
2*sqrt(n) =  148.02702455970666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.84131354498365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.90848789951818

n =  5479
somme des inverses des racines des entiers jusqu a n =  146.58693528471613
2*sqrt(n) =  148.04053498957643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.854641443138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.92208959524564

n =  5480
somme des inverses des racines des entiers jusqu a n =  146.6004438653901
2*sqrt(n) =  148.05404418657398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.86796814173192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.935690041445

n =  5481
somme des inverses des racines des entiers jusqu a n =  146.613951213698
2*sqrt(n) =  148.06755215103678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.88129364109068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.94928923845984

n =  5482
somme des inverses des racines des entiers jusqu a n =  146.627457329977
2*sqrt(n) =  148.08105888330215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.89461794153942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.9628871866335

n =  5483
somme des inverses des racines des entiers jusqu a n =  146.64096221456424
2*sqrt(n) =  148.09456438370722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.90794104340318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.97648388630924

n =  5484
somme des inverses des racines des entiers jusqu a n =  146.6544658677966
2*sqrt(n) =  148.10806865258894
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.92126294700674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  152.99007933783002

n =  5485
somme des inverses des racines des entiers jusqu a n =  146.66796829001086
2*sqrt(n) =  148.12157169028418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.93458365267486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.00367354153886

n =  5486
somme des inverses des racines des entiers jusqu a n =  146.6814694815436
2*sqrt(n) =  148.13507349712964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.9479031607321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.01726649777842

n =  5487
somme des inverses des racines des entiers jusqu a n =  146.69496944273126
2*sqrt(n) =  148.14857407346182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.96122147150285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.0308582068913

n =  5488
somme des inverses des racines des entiers jusqu a n =  146.70846817391018
2*sqrt(n) =  148.1620734196171
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.97453858531136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.04444866921995

n =  5489
somme des inverses des racines des entiers jusqu a n =  146.72196567541644
2*sqrt(n) =  148.17557153593165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  136.98785450248178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.0580378851066

n =  5490
somme des inverses des racines des entiers jusqu a n =  146.7354619475861
2*sqrt(n) =  148.18906842274163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.00116922333805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.0716258548934

n =  5491
somme des inverses des racines des entiers jusqu a n =  146.74895699075495
2*sqrt(n) =  148.2025640803829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.01448274820405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.08521257892232

n =  5492
somme des inverses des racines des entiers jusqu a n =  146.7624508052587
2*sqrt(n) =  148.21605850919124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.0277950774034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.09879805753516

n =  5493
somme des inverses des racines des entiers jusqu a n =  146.7759433914329
2*sqrt(n) =  148.22955170950223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.0411062112596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.11238229107354

n =  5494
somme des inverses des racines des entiers jusqu a n =  146.78943474961287
2*sqrt(n) =  148.2430436816514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.05441615009616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.12596527987898

n =  5495
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somme des inverses des racines des entiers jusqu a n =  146.80292488013387
2*sqrt(n) =  148.25653442597397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.06772489423625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.13954702429282

n =  5496
somme des inverses des racines des entiers jusqu a n =  146.816413783331
2*sqrt(n) =  148.2700239428051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.08103244400291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.15312752465618

n =  5497
somme des inverses des racines des entiers jusqu a n =  146.82990145953914
2*sqrt(n) =  148.28351223247984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.09433879971917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.16670678131015

n =  5498
somme des inverses des racines des entiers jusqu a n =  146.8433879090931
2*sqrt(n) =  148.29699929533302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.10764396170782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.18028479459562

n =  5499
somme des inverses des racines des entiers jusqu a n =  146.85687313232748
2*sqrt(n) =  148.3104851316993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.1209479302915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.1938615648532

n =  5500
somme des inverses des racines des entiers jusqu a n =  146.87035712957675
2*sqrt(n) =  148.32396974191326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.1342507057927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.20743709242353

n =  5501
somme des inverses des racines des entiers jusqu a n =  146.8838399011752
2*sqrt(n) =  148.33745312630927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.1475522885338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.221011377647

n =  5502
somme des inverses des racines des entiers jusqu a n =  146.89732144745705
2*sqrt(n) =  148.35093528522157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.16085267883705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.23458442086383

n =  5503
somme des inverses des racines des entiers jusqu a n =  146.91080176875624
2*sqrt(n) =  148.36441621898427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.1741518770245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.24815622241414

n =  5504
somme des inverses des racines des entiers jusqu a n =  146.92428086540667
2*sqrt(n) =  148.37789592793126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.18744988341808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.26172678263785

n =  5505
somme des inverses des racines des entiers jusqu a n =  146.93775873774203
2*sqrt(n) =  148.39137441239635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.20074669833957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.27529610187474
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n =  5506
somme des inverses des racines des entiers jusqu a n =  146.9512353860959
2*sqrt(n) =  148.4048516727132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.21404232211066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.28886418046446

n =  5507
somme des inverses des racines des entiers jusqu a n =  146.96471081080165
2*sqrt(n) =  148.41832770921522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.22733675505273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.30243101874646

n =  5508
somme des inverses des racines des entiers jusqu a n =  146.97818501219257
2*sqrt(n) =  148.43180252223578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.24062999748725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.31599661706005

n =  5509
somme des inverses des racines des entiers jusqu a n =  146.99165799060174
2*sqrt(n) =  148.44527611210805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.25392204973534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.3295609757444

n =  5510
somme des inverses des racines des entiers jusqu a n =  147.0051297463621
2*sqrt(n) =  148.45874847916508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.2672129121181
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.34312409513856

n =  5511
somme des inverses des racines des entiers jusqu a n =  147.01860027980644
2*sqrt(n) =  148.4722196237397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.28050258495648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.3566859755813

n =  5512
somme des inverses des racines des entiers jusqu a n =  147.03206959126746
2*sqrt(n) =  148.48568954616468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.29379106857118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.37024661741142

n =  5513
somme des inverses des racines des entiers jusqu a n =  147.0455376810776
2*sqrt(n) =  148.49915824677257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.3070783632829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.3838060209674

n =  5514
somme des inverses des racines des entiers jusqu a n =  147.05900454956927
2*sqrt(n) =  148.5126257258958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.32036446941206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.39736418658765

n =  5515
somme des inverses des racines des entiers jusqu a n =  147.0724701970746
2*sqrt(n) =  148.5260919838666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.333649387279
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.4109211146104

n =  5516
somme des inverses des racines des entiers jusqu a n =  147.08593462392568
2*sqrt(n) =  148.53955702101715
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.34693311720395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.42447680537373

n =  5517
somme des inverses des racines des entiers jusqu a n =  147.0993978304544
2*sqrt(n) =  148.55302083767936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.36021565950693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.43803125921556

n =  5518
somme des inverses des racines des entiers jusqu a n =  147.11285981699245
2*sqrt(n) =  148.5664834341851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.37349701450788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.45158447647373

n =  5519
somme des inverses des racines des entiers jusqu a n =  147.1263205838715
2*sqrt(n) =  148.57994481086604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.38677718252654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.46513645748578

n =  5520
somme des inverses des racines des entiers jusqu a n =  147.13978013142295
2*sqrt(n) =  148.59340496805368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.40005616388254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.47868720258924

n =  5521
somme des inverses des racines des entiers jusqu a n =  147.15323845997813
2*sqrt(n) =  148.60686390607938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.41333395889535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.4922367121214

n =  5522
somme des inverses des racines des entiers jusqu a n =  147.16669556986812
2*sqrt(n) =  148.62032162527439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.4266105678843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.50578498641943

n =  5523
somme des inverses des racines des entiers jusqu a n =  147.18015146142397
2*sqrt(n) =  148.63377812596974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.43988599116855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.51933202582032

n =  5524
somme des inverses des racines des entiers jusqu a n =  147.1936061349765
2*sqrt(n) =  148.64723340849636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.45316022906718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.53287783066094

n =  5525
somme des inverses des racines des entiers jusqu a n =  147.20705959085643
2*sqrt(n) =  148.66068747318505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.4664332818991
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.54642240127802

n =  5526
somme des inverses des racines des entiers jusqu a n =  147.2205118293943
2*sqrt(n) =  148.6741403203664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.47970514998303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.5599657380081

n =  5527
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somme des inverses des racines des entiers jusqu a n =  147.23396285092048
2*sqrt(n) =  148.6875919503709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.49297583363762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.5735078411875

n =  5528
somme des inverses des racines des entiers jusqu a n =  147.24741265576523
2*sqrt(n) =  148.70104236352884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.50624533318134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.5870487111526

n =  5529
somme des inverses des racines des entiers jusqu a n =  147.26086124425865
2*sqrt(n) =  148.71449156017042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.5195136489325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.60058834823937

n =  5530
somme des inverses des racines des entiers jusqu a n =  147.27430861673068
2*sqrt(n) =  148.72793954062564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.53278078120925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.61412675278382

n =  5531
somme des inverses des racines des entiers jusqu a n =  147.28775477351112
2*sqrt(n) =  148.7413863052244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.54604673032975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.62766392512174

n =  5532
somme des inverses des racines des entiers jusqu a n =  147.30119971492962
2*sqrt(n) =  148.7548318542964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.55931149661177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.64119986558873

n =  5533
somme des inverses des racines des entiers jusqu a n =  147.3146434413157
2*sqrt(n) =  148.76827618817126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.57257508037316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.65473457452032

n =  5534
somme des inverses des racines des entiers jusqu a n =  147.32808595299866
2*sqrt(n) =  148.78171930717832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.58583748193146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.66826805225176

n =  5535
somme des inverses des racines des entiers jusqu a n =  147.34152725030776
2*sqrt(n) =  148.79516121164693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.5990987016042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.6818002991183

n =  5536
somme des inverses des racines des entiers jusqu a n =  147.35496733357203
2*sqrt(n) =  148.8086019019062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.6123587397087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.69533131545495

n =  5537
somme des inverses des racines des entiers jusqu a n =  147.36840620312037
2*sqrt(n) =  148.8220413782851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.62561759656214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.70886110159657
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n =  5538
somme des inverses des racines des entiers jusqu a n =  147.38184385928153
2*sqrt(n) =  148.83547964111244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.63887527248153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.7223896578779

n =  5539
somme des inverses des racines des entiers jusqu a n =  147.39528030238415
2*sqrt(n) =  148.84891669071698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.65213176778389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.73591698463352

n =  5540
somme des inverses des racines des entiers jusqu a n =  147.40871553275667
2*sqrt(n) =  148.86235252742716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.66538708278583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.7494430821978

n =  5541
somme des inverses des racines des entiers jusqu a n =  147.4221495507274
2*sqrt(n) =  148.87578715157142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.67864121780406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.76296795090508

n =  5542
somme des inverses des racines des entiers jusqu a n =  147.4355823566245
2*sqrt(n) =  148.889220563478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.69189417315508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.77649159108947

n =  5543
somme des inverses des racines des entiers jusqu a n =  147.449013950776
2*sqrt(n) =  148.90265276347498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.70514594915517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.79001400308488

n =  5544
somme des inverses des racines des entiers jusqu a n =  147.46244433350975
2*sqrt(n) =  148.91608375189028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.71839654612054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.80353518722515

n =  5545
somme des inverses des racines des entiers jusqu a n =  147.4758735051535
2*sqrt(n) =  148.92951352905172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.73164596436726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.81705514384396

n =  5546
somme des inverses des racines des entiers jusqu a n =  147.4893014660348
2*sqrt(n) =  148.94294209528695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.74489420421122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.8305738732748

n =  5547
somme des inverses des racines des entiers jusqu a n =  147.50272821648105
2*sqrt(n) =  148.95636945092346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.75814126596822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.84409137585106

n =  5548
somme des inverses des racines des entiers jusqu a n =  147.51615375681956
2*sqrt(n) =  148.96979559628858
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.77138714995385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.85760765190594

n =  5549
somme des inverses des racines des entiers jusqu a n =  147.52957808737747
2*sqrt(n) =  148.98322053170955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.78463185648366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.8711227017725

n =  5550
somme des inverses des racines des entiers jusqu a n =  147.54300120848174
2*sqrt(n) =  148.9966442575134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.7978753858729
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.88463652578363

n =  5551
somme des inverses des racines des entiers jusqu a n =  147.55642312045921
2*sqrt(n) =  149.01006677402705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.8111177384369
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.89814912427212

n =  5552
somme des inverses des racines des entiers jusqu a n =  147.5698438236366
2*sqrt(n) =  149.02348808157726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.82435891449063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.91166049757058

n =  5553
somme des inverses des racines des entiers jusqu a n =  147.5832633183404
2*sqrt(n) =  149.03690818049066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.83759891434906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.92517064601145

n =  5554
somme des inverses des racines des entiers jusqu a n =  147.59668160489704
2*sqrt(n) =  149.05032707109368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.85083773832693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.93867956992705

n =  5555
somme des inverses des racines des entiers jusqu a n =  147.61009868363274
2*sqrt(n) =  149.06374475371265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.86407538673893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.95218726964953

n =  5556
somme des inverses des racines des entiers jusqu a n =  147.62351455487362
2*sqrt(n) =  149.0771612286738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.87731185989955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.9656937455109

n =  5557
somme des inverses des racines des entiers jusqu a n =  147.63692921894562
2*sqrt(n) =  149.09057649630307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.89054715812316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.979198997843

n =  5558
somme des inverses des racines des entiers jusqu a n =  147.65034267617457
2*sqrt(n) =  149.10399055692642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.90378128172398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  153.99270302697764

n =  5559
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somme des inverses des racines des entiers jusqu a n =  147.6637549268861
2*sqrt(n) =  149.1174034108695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.91701423101605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.00620583324624

n =  5560
somme des inverses des racines des entiers jusqu a n =  147.67716597140574
2*sqrt(n) =  149.13081505845798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.93024600631335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.01970741698028

n =  5561
somme des inverses des racines des entiers jusqu a n =  147.69057581005887
2*sqrt(n) =  149.14422550001726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.9434766079297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.03320777851104

n =  5562
somme des inverses des racines des entiers jusqu a n =  147.7039844431707
2*sqrt(n) =  149.15763473587265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.95670603617873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.0467069181696

n =  5563
somme des inverses des racines des entiers jusqu a n =  147.7173918710663
2*sqrt(n) =  149.17104276634927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.969934291374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.0602048362869

n =  5564
somme des inverses des racines des entiers jusqu a n =  147.7307980940706
2*sqrt(n) =  149.18444959177214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.9831613738288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.0737015331938

n =  5565
somme des inverses des racines des entiers jusqu a n =  147.74420311250836
2*sqrt(n) =  149.1978552124661
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  137.99638728385645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.08719700922092

n =  5566
somme des inverses des racines des entiers jusqu a n =  147.75760692670426
2*sqrt(n) =  149.2112596287559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.00961202177007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.1006912646988

n =  5567
somme des inverses des racines des entiers jusqu a n =  147.77100953698277
2*sqrt(n) =  149.22466284096606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.02283558788255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.1141842999578

n =  5568
somme des inverses des racines des entiers jusqu a n =  147.78441094366823
2*sqrt(n) =  149.23806484942105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.0360579825068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.12767611532817

n =  5569
somme des inverses des racines des entiers jusqu a n =  147.79781114708487
2*sqrt(n) =  149.25146565444507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.0492792059554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.1411667111399
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n =  5570
somme des inverses des racines des entiers jusqu a n =  147.81121014755672
2*sqrt(n) =  149.26486525636233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.062499258541
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.154656087723

n =  5571
somme des inverses des racines des entiers jusqu a n =  147.82460794540768
2*sqrt(n) =  149.27826365549674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.07571814057593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.16814424540715

n =  5572
somme des inverses des racines des entiers jusqu a n =  147.83800454096152
2*sqrt(n) =  149.29166085217219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.0889358523725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.18163118452202

n =  5573
somme des inverses des racines des entiers jusqu a n =  147.8513999345419
2*sqrt(n) =  149.30505684671232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.10215239424278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.19511690539707

n =  5574
somme des inverses des racines des entiers jusqu a n =  147.86479412647222
2*sqrt(n) =  149.31845163944072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.11536776649882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.20860140836166

n =  5575
somme des inverses des racines des entiers jusqu a n =  147.87818711707587
2*sqrt(n) =  149.33184523068078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.12858196945245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.22208469374493

n =  5576
somme des inverses des racines des entiers jusqu a n =  147.89157890667602
2*sqrt(n) =  149.34523762075577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.1417950034154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.23556676187593

n =  5577
somme des inverses des racines des entiers jusqu a n =  147.90496949559568
2*sqrt(n) =  149.35862880998874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.1550068686992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.24904761308352

n =  5578
somme des inverses des racines des entiers jusqu a n =  147.91835888415778
2*sqrt(n) =  149.37201879870273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.1682175656153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.26252724769643

n =  5579
somme des inverses des racines des entiers jusqu a n =  147.93174707268506
2*sqrt(n) =  149.38540758722053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.181427094475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.2760056660433

n =  5580
somme des inverses des racines des entiers jusqu a n =  147.94513406150008
2*sqrt(n) =  149.3987951758648
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.19463545558943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.28948286845247

n =  5581
somme des inverses des racines des entiers jusqu a n =  147.95851985092537
2*sqrt(n) =  149.41218156495808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.20784264926965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.30295885525229

n =  5582
somme des inverses des racines des entiers jusqu a n =  147.97190444128321
2*sqrt(n) =  149.4255667548228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.22104867582652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.31643362677093

n =  5583
somme des inverses des racines des entiers jusqu a n =  147.98528783289578
2*sqrt(n) =  149.43895074578114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.2342535355708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.32990718333633

n =  5584
somme des inverses des racines des entiers jusqu a n =  147.99867002608508
2*sqrt(n) =  149.45233353815524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.24745722881303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.34337952527633

n =  5585
somme des inverses des racines des entiers jusqu a n =  148.01205102117302
2*sqrt(n) =  149.46571513226704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.26065975586374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.3568506529187

n =  5586
somme des inverses des racines des entiers jusqu a n =  148.02543081848134
2*sqrt(n) =  149.47909552843836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.27386111703325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.37032056659092

n =  5587
somme des inverses des racines des entiers jusqu a n =  148.03880941833162
2*sqrt(n) =  149.49247472699085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.2870613126317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.38378926662043

n =  5588
somme des inverses des racines des entiers jusqu a n =  148.05218682104532
2*sqrt(n) =  149.50585272824605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.3002603429692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.3972567533345

n =  5589
somme des inverses des racines des entiers jusqu a n =  148.06556302694375
2*sqrt(n) =  149.51922953252534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.31345820835566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.4107230270602

n =  5590
somme des inverses des racines des entiers jusqu a n =  148.07893803634806
2*sqrt(n) =  149.53260514014994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.3266549091008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.4241880881245

n =  5591
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somme des inverses des racines des entiers jusqu a n =  148.0923118495793
2*sqrt(n) =  149.54597955144098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.33985044551434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.4376519368543

n =  5592
somme des inverses des racines des entiers jusqu a n =  148.10568446695828
2*sqrt(n) =  149.55935276671934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.3530448179057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.45111457357615

n =  5593
somme des inverses des racines des entiers jusqu a n =  148.1190558888058
2*sqrt(n) =  149.57272478630588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.3662380265843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.46457599861668

n =  5594
somme des inverses des racines des entiers jusqu a n =  148.13242611544243
2*sqrt(n) =  149.58609561052123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.37943007185933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.4780362123022

n =  5595
somme des inverses des racines des entiers jusqu a n =  148.1457951471886
2*sqrt(n) =  149.59946523968594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.39262095403993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.49149521495895

n =  5596
somme des inverses des racines des entiers jusqu a n =  148.15916298436463
2*sqrt(n) =  149.61283367412034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.40581067343498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.504953006913

n =  5597
somme des inverses des racines des entiers jusqu a n =  148.1725296272907
2*sqrt(n) =  149.6262009141447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.41899923035334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.51840958849039

n =  5598
somme des inverses des racines des entiers jusqu a n =  148.18589507628676
2*sqrt(n) =  149.63956696007912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.43218662510372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.5318649600168

n =  5599
somme des inverses des racines des entiers jusqu a n =  148.19925933167275
2*sqrt(n) =  149.65293181224348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.44537285799458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.54531912181793

n =  5600
somme des inverses des racines des entiers jusqu a n =  148.21262239376838
2*sqrt(n) =  149.66629547095766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.45855792933443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.5587720742193

n =  5601
somme des inverses des racines des entiers jusqu a n =  148.22598426289323
2*sqrt(n) =  149.67965793654128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.47174183943144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.5722238175462
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n =  5602
somme des inverses des racines des entiers jusqu a n =  148.23934493936676
2*sqrt(n) =  149.69301920931383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.48492458859377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.58567435212385

n =  5603
somme des inverses des racines des entiers jusqu a n =  148.25270442350825
2*sqrt(n) =  149.70637928959474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.49810617712944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.59912367827738

n =  5604
somme des inverses des racines des entiers jusqu a n =  148.26606271563688
2*sqrt(n) =  149.71973817770322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.51128660534633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.61257179633168

n =  5605
somme des inverses des racines des entiers jusqu a n =  148.27941981607165
2*sqrt(n) =  149.73309587395835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.5244658735521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.62601870661146

n =  5606
somme des inverses des racines des entiers jusqu a n =  148.29277572513146
2*sqrt(n) =  149.74645237867907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.53764398205433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.63946440944142

n =  5607
somme des inverses des racines des entiers jusqu a n =  148.30613044313506
2*sqrt(n) =  149.7598076921842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.55082093116053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.65290890514603

n =  5608
somme des inverses des racines des entiers jusqu a n =  148.319483970401
2*sqrt(n) =  149.77316181479245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.56399672117803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.66635219404967

n =  5609
somme des inverses des racines des entiers jusqu a n =  148.33283630724773
2*sqrt(n) =  149.78651474682226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.57717135241393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.67979427647643

n =  5610
somme des inverses des racines des entiers jusqu a n =  148.3461874539936
2*sqrt(n) =  149.79986648859204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.5903448251753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.69323515275042

n =  5611
somme des inverses des racines des entiers jusqu a n =  148.35953741095673
2*sqrt(n) =  149.81321704042003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.60351713976905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.7066748231955

n =  5612
somme des inverses des racines des entiers jusqu a n =  148.3728861784552
2*sqrt(n) =  149.82656640262434
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.616688296502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.7201132881355

n =  5613
somme des inverses des racines des entiers jusqu a n =  148.38623375680683
2*sqrt(n) =  149.8399145755229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.6298582956807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.733550547894

n =  5614
somme des inverses des racines des entiers jusqu a n =  148.3995801463294
2*sqrt(n) =  149.85326155943352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.64302713761168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.74698660279444

n =  5615
somme des inverses des racines des entiers jusqu a n =  148.41292534734052
2*sqrt(n) =  149.8666073546739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.65619482260138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.76042145316018

n =  5616
somme des inverses des racines des entiers jusqu a n =  148.42626936015762
2*sqrt(n) =  149.87995196156155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.6693613509559
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.77385509931437

n =  5617
somme des inverses des racines des entiers jusqu a n =  148.439612185098
2*sqrt(n) =  149.89329538041386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.68252672298144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.78728754158007

n =  5618
somme des inverses des racines des entiers jusqu a n =  148.4529538224789
2*sqrt(n) =  149.90663761154806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.6956909389839
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.80071878028016

n =  5619
somme des inverses des racines des entiers jusqu a n =  148.4662942726173
2*sqrt(n) =  149.91997865528128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.70885399926908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.81414881573738

n =  5620
somme des inverses des racines des entiers jusqu a n =  148.4796335358301
2*sqrt(n) =  149.9333185119305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.72201590414278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.82757764827437

n =  5621
somme des inverses des racines des entiers jusqu a n =  148.49297161243405
2*sqrt(n) =  149.9466571818125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.73517665391043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.84100527821354

n =  5622
somme des inverses des racines des entiers jusqu a n =  148.50630850274578
2*sqrt(n) =  149.95999466524398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.7483362488775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.8544317058772

n =  5623
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somme des inverses des racines des entiers jusqu a n =  148.51964420708177
2*sqrt(n) =  149.97333096254147
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.76149468934926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.86785693158757

n =  5624
somme des inverses des racines des entiers jusqu a n =  148.53297872575834
2*sqrt(n) =  149.9866660740214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.77465197563092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.88128095566665

n =  5625
somme des inverses des racines des entiers jusqu a n =  148.54631205909166
2*sqrt(n) =  150.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.78780810802738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.8947037784363

n =  5626
somme des inverses des racines des entiers jusqu a n =  148.5596442073978
2*sqrt(n) =  150.0133327407934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.8009630868436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.9081254002183

n =  5627
somme des inverses des racines des entiers jusqu a n =  148.5729751709927
2*sqrt(n) =  150.0266642967176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.81411691238432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.92154582133423

n =  5628
somme des inverses des racines des entiers jusqu a n =  148.58630495019207
2*sqrt(n) =  150.0399946680884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.82726958495414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.93496504210555

n =  5629
somme des inverses des racines des entiers jusqu a n =  148.59963354531158
2*sqrt(n) =  150.05332385522155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.84042110485754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.94838306285357

n =  5630
somme des inverses des racines des entiers jusqu a n =  148.61296095666668
2*sqrt(n) =  150.06665185843255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.8535714723988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.9617998838994

n =  5631
somme des inverses des racines des entiers jusqu a n =  148.62628718457273
2*sqrt(n) =  150.07997867803687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.86672068788226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.97521550556417

n =  5632
somme des inverses des racines des entiers jusqu a n =  148.63961222934495
2*sqrt(n) =  150.09330431434975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.87986875161187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  154.98862992816868

n =  5633
somme des inverses des racines des entiers jusqu a n =  148.65293609129841
2*sqrt(n) =  150.10662876768635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.89301566389165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.0020431520337
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n =  5634
somme des inverses des racines des entiers jusqu a n =  148.66625877074804
2*sqrt(n) =  150.11995203836165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.90616142502535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.0154551774798

n =  5635
somme des inverses des racines des entiers jusqu a n =  148.6795802680086
2*sqrt(n) =  150.1332741266905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.91930603531665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.02886600482745

n =  5636
somme des inverses des racines des entiers jusqu a n =  148.6929005833948
2*sqrt(n) =  150.14659503298768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.9324494950691
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.04227563439696

n =  5637
somme des inverses des racines des entiers jusqu a n =  148.70621971722107
2*sqrt(n) =  150.15991475756772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.94559180458614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.0556840665085

n =  5638
somme des inverses des racines des entiers jusqu a n =  148.71953766980184
2*sqrt(n) =  150.17323330074504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.958732964171
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.06909130148208

n =  5639
somme des inverses des racines des entiers jusqu a n =  148.7328544414513
2*sqrt(n) =  150.18655066283398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.9718729741268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.08249733963757

n =  5640
somme des inverses des racines des entiers jusqu a n =  148.7461700324836
2*sqrt(n) =  150.1998668441487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.9850118347566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.09590218129475

n =  5641
somme des inverses des racines des entiers jusqu a n =  148.75948444321264
2*sqrt(n) =  150.2131818450032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  138.9981495463632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.10930582677318

n =  5642
somme des inverses des racines des entiers jusqu a n =  148.77279767395225
2*sqrt(n) =  150.22649566571138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.01128610924945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.12270827639236

n =  5643
somme des inverses des racines des entiers jusqu a n =  148.7861097250161
2*sqrt(n) =  150.23980830658698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.02442152371785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.13610953047154

n =  5644
somme des inverses des racines des entiers jusqu a n =  148.79942059671774
2*sqrt(n) =  150.2531197679436
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.03755579007088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.14950958932994

n =  5645
somme des inverses des racines des entiers jusqu a n =  148.81273028937053
2*sqrt(n) =  150.2664300500947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.05068890861094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.16290845328658

n =  5646
somme des inverses des racines des entiers jusqu a n =  148.82603880328776
2*sqrt(n) =  150.2797391533536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.06382087964016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.17630612266032

n =  5647
somme des inverses des racines des entiers jusqu a n =  148.83934613878253
2*sqrt(n) =  150.2930470780335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.07695170346068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.18970259776992

n =  5648
somme des inverses des racines des entiers jusqu a n =  148.85265229616783
2*sqrt(n) =  150.30635382444748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.09008138037441
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.20309787893402

n =  5649
somme des inverses des racines des entiers jusqu a n =  148.8659572757565
2*sqrt(n) =  150.31965939290842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.10320991068318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.21649196647104

n =  5650
somme des inverses des racines des entiers jusqu a n =  148.87926107786126
2*sqrt(n) =  150.33296378372907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.11633729468858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.22988486069931

n =  5651
somme des inverses des racines des entiers jusqu a n =  148.89256370279466
2*sqrt(n) =  150.3462669972221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.12946353269226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.24327656193702

n =  5652
somme des inverses des racines des entiers jusqu a n =  148.90586515086912
2*sqrt(n) =  150.3595690337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.1425886249956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.2566670705022

n =  5653
somme des inverses des racines des entiers jusqu a n =  148.91916542239693
2*sqrt(n) =  150.37286989347513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.15571257189984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.27005638671278

n =  5654
somme des inverses des racines des entiers jusqu a n =  148.93246451769025
2*sqrt(n) =  150.3861695768597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.16883537370614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.28344451088645

n =  5655
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somme des inverses des racines des entiers jusqu a n =  148.9457624370611
2*sqrt(n) =  150.3994680841658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.18195703071558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.2968314433409

n =  5656
somme des inverses des racines des entiers jusqu a n =  148.95905918082133
2*sqrt(n) =  150.41276541570534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.19507754322893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.31021718439354

n =  5657
somme des inverses des racines des entiers jusqu a n =  148.9723547492827
2*sqrt(n) =  150.42606157179014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.208196911547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.32360173436172

n =  5658
somme des inverses des racines des entiers jusqu a n =  148.98564914275678
2*sqrt(n) =  150.4393565527319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.2213151359704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.33698509356265

n =  5659
somme des inverses des racines des entiers jusqu a n =  148.99894236155507
2*sqrt(n) =  150.45265035884213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.2344322167996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.3503672623134

n =  5660
somme des inverses des racines des entiers jusqu a n =  149.01223440598886
2*sqrt(n) =  150.4659429904322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.247548154335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.36374824093082

n =  5661
somme des inverses des racines des entiers jusqu a n =  149.02552527636934
2*sqrt(n) =  150.47923444781344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.26066294887679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.37712802973175

n =  5662
somme des inverses des racines des entiers jusqu a n =  149.03881497300756
2*sqrt(n) =  150.49252473129687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.27377660072503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.39050662903279

n =  5663
somme des inverses des racines des entiers jusqu a n =  149.05210349621444
2*sqrt(n) =  150.50581384119351
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.28688911017971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.4038840391504

n =  5664
somme des inverses des racines des entiers jusqu a n =  149.06539084630077
2*sqrt(n) =  150.51910177781423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.30000047754066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.417260260401

n =  5665
somme des inverses des racines des entiers jusqu a n =  149.07867702357717
2*sqrt(n) =  150.53238854146971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.3131107031076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.43063529310075
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n =  5666
somme des inverses des racines des entiers jusqu a n =  149.09196202835412
2*sqrt(n) =  150.5456741324705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.32621978718007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.44400913756573

n =  5667
somme des inverses des racines des entiers jusqu a n =  149.105245860942
2*sqrt(n) =  150.55895855112706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.33932773005745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.45738179411188

n =  5668
somme des inverses des racines des entiers jusqu a n =  149.11852852165106
2*sqrt(n) =  150.57224179774968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.35243453203913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.47075326305497

n =  5669
somme des inverses des racines des entiers jusqu a n =  149.13181001079136
2*sqrt(n) =  150.58552387264854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.36554019342424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.48412354471068

n =  5670
somme des inverses des racines des entiers jusqu a n =  149.14509032867284
2*sqrt(n) =  150.5988047761336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.3786447145118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.4974926393945

n =  5671
somme des inverses des racines des entiers jusqu a n =  149.15836947560535
2*sqrt(n) =  150.61208450851478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.39174809560075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.5108605474218

n =  5672
somme des inverses des racines des entiers jusqu a n =  149.17164745189856
2*sqrt(n) =  150.62536307010186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.4048503369899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.52422726910783

n =  5673
somme des inverses des racines des entiers jusqu a n =  149.184924257862
2*sqrt(n) =  150.63864046120437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.4179514389778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.53759280476766

n =  5674
somme des inverses des racines des entiers jusqu a n =  149.19819989380508
2*sqrt(n) =  150.65191668213185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.43105140186307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.55095715471626

n =  5675
somme des inverses des racines des entiers jusqu a n =  149.21147436003707
2*sqrt(n) =  150.66519173319364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.44415022594404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.56432031926843

n =  5676
somme des inverses des racines des entiers jusqu a n =  149.22474765686712
2*sqrt(n) =  150.6784656146989
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.45724791151898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.57768229873886

n =  5677
somme des inverses des racines des entiers jusqu a n =  149.2380197846042
2*sqrt(n) =  150.69173832695674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.47034445888602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.5910430934421

n =  5678
somme des inverses des racines des entiers jusqu a n =  149.2512907435572
2*sqrt(n) =  150.70500987027606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.48343986834314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.6044027036925

n =  5679
somme des inverses des racines des entiers jusqu a n =  149.26456053403484
2*sqrt(n) =  150.71828024496563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.4965341401882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.61776112980434

n =  5680
somme des inverses des racines des entiers jusqu a n =  149.2778291563457
2*sqrt(n) =  150.7315494513342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.509627274719
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.63111837209178

n =  5681
somme des inverses des racines des entiers jusqu a n =  149.29109661079823
2*sqrt(n) =  150.74481748969018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.52271927223305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.64447443086874

n =  5682
somme des inverses des racines des entiers jusqu a n =  149.30436289770077
2*sqrt(n) =  150.75808436034202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.5358101330279
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.6578293064491

n =  5683
somme des inverses des racines des entiers jusqu a n =  149.31762801736147
2*sqrt(n) =  150.77135006359796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.54889985740084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.6711829991465

n =  5684
somme des inverses des racines des entiers jusqu a n =  149.3308919700884
2*sqrt(n) =  150.78461459976612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.56198844564912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.6845355092746

n =  5685
somme des inverses des racines des entiers jusqu a n =  149.34415475618948
2*sqrt(n) =  150.79787796915446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.57507589806983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.69788683714677

n =  5686
somme des inverses des racines des entiers jusqu a n =  149.35741637597246
2*sqrt(n) =  150.81114017207085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.5881622149599
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.7112369830763

n =  5687
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somme des inverses des racines des entiers jusqu a n =  149.370676829745
2*sqrt(n) =  150.82440120882296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.60124739661617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.72458594737637

n =  5688
somme des inverses des racines des entiers jusqu a n =  149.3839361178146
2*sqrt(n) =  150.83766107971843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.61433144333535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.73793373035997

n =  5689
somme des inverses des racines des entiers jusqu a n =  149.39719424048863
2*sqrt(n) =  150.8509197850646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.62741435541398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.75128033233992

n =  5690
somme des inverses des racines des entiers jusqu a n =  149.41045119807433
2*sqrt(n) =  150.86417732516887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.6404961331485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.76462575362905

n =  5691
somme des inverses des racines des entiers jusqu a n =  149.4237069908788
2*sqrt(n) =  150.87743370033837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.65357677683525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.77796999453992

n =  5692
somme des inverses des racines des entiers jusqu a n =  149.436961619209
2*sqrt(n) =  150.89068891088013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.6666562867704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.791313055385

n =  5693
somme des inverses des racines des entiers jusqu a n =  149.45021508337175
2*sqrt(n) =  150.90394295710104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.67973466324997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.80465493647657

n =  5694
somme des inverses des racines des entiers jusqu a n =  149.46346738367376
2*sqrt(n) =  150.91719583930785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.6928119065699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.81799563812683

n =  5695
somme des inverses des racines des entiers jusqu a n =  149.4767185204216
2*sqrt(n) =  150.93044755780724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.70588801702596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.83133516064788

n =  5696
somme des inverses des racines des entiers jusqu a n =  149.48996849392168
2*sqrt(n) =  150.94369811290565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.71896299491385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.84467350435156

n =  5697
somme des inverses des racines des entiers jusqu a n =  149.5032173044803
2*sqrt(n) =  150.9569475049095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.7320368405291
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.85801066954969
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n =  5698
somme des inverses des racines des entiers jusqu a n =  149.51646495240362
2*sqrt(n) =  150.97019573412496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.7451095541671
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.87134665655387

n =  5699
somme des inverses des racines des entiers jusqu a n =  149.52971143799766
2*sqrt(n) =  150.98344280085814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.75818113612314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.88468146567564

n =  5700
somme des inverses des racines des entiers jusqu a n =  149.54295676156832
2*sqrt(n) =  150.99668870541498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.77125158669236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.8980150972263

n =  5701
somme des inverses des racines des entiers jusqu a n =  149.55620092342133
2*sqrt(n) =  151.00993344810135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.78432090616977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.91134755151714

n =  5702
somme des inverses des racines des entiers jusqu a n =  149.56944392386234
2*sqrt(n) =  151.0231770292229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.79738909485027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.9246788288592

n =  5703
somme des inverses des racines des entiers jusqu a n =  149.58268576319682
2*sqrt(n) =  151.0364194490852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.81045615302867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.93800892956347

n =  5704
somme des inverses des racines des entiers jusqu a n =  149.59592644173014
2*sqrt(n) =  151.04966070799364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.8235220809995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.9513378539407

n =  5705
somme des inverses des racines des entiers jusqu a n =  149.6091659597675
2*sqrt(n) =  151.06290080625354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.83658687905736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.9646656023016

n =  5706
somme des inverses des racines des entiers jusqu a n =  149.62240431761398
2*sqrt(n) =  151.07613974417006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.84965054749662
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.9779921749568

n =  5707
somme des inverses des racines des entiers jusqu a n =  149.63564151557458
2*sqrt(n) =  151.08937752204818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.86271308661148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  155.99131757221653

n =  5708
somme des inverses des racines des entiers jusqu a n =  149.64887755395407
2*sqrt(n) =  151.10261414019283
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.8757744966961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.00464179439118

n =  5709
somme des inverses des racines des entiers jusqu a n =  149.66211243305713
2*sqrt(n) =  151.1158495989087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.88883477804444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.01796484179084

n =  5710
somme des inverses des racines des entiers jusqu a n =  149.67534615318834
2*sqrt(n) =  151.12908389850048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.90189393095042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.0312867147255

n =  5711
somme des inverses des racines des entiers jusqu a n =  149.68857871465212
2*sqrt(n) =  151.14231703927263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.91495195570778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.04460741350505

n =  5712
somme des inverses des racines des entiers jusqu a n =  149.70181011775276
2*sqrt(n) =  151.15554902152948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.92800885261008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.05792693843918

n =  5713
somme des inverses des racines des entiers jusqu a n =  149.71504036279438
2*sqrt(n) =  151.16877984557524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.94106462195077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.07124528983746

n =  5714
somme des inverses des racines des entiers jusqu a n =  149.72826945008103
2*sqrt(n) =  151.18200951171406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.95411926402335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.0845624680094

n =  5715
somme des inverses des racines des entiers jusqu a n =  149.74149737991658
2*sqrt(n) =  151.19523802024983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.96717277912092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.09787847326427

n =  5716
somme des inverses des racines des entiers jusqu a n =  149.75472415260478
2*sqrt(n) =  151.2084653714864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.98022516753664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.11119330591129

n =  5717
somme des inverses des racines des entiers jusqu a n =  149.76794976844926
2*sqrt(n) =  151.22169156572744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  139.99327642956348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.12450696625942

n =  5718
somme des inverses des racines des entiers jusqu a n =  149.7811742277535
2*sqrt(n) =  151.2349166032765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.00632656549425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.1378194546176

n =  5719
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somme des inverses des racines des entiers jusqu a n =  149.79439753082085
2*sqrt(n) =  151.24814048443704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.01937557562172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.1511307712947

n =  5720
somme des inverses des racines des entiers jusqu a n =  149.80761967795453
2*sqrt(n) =  151.2613632095123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.03242346023845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.1644409165992

n =  5721
somme des inverses des racines des entiers jusqu a n =  149.82084066945765
2*sqrt(n) =  151.27458477880546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.04547021963694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.17774989083972

n =  5722
somme des inverses des racines des entiers jusqu a n =  149.83406050563318
2*sqrt(n) =  151.28780519261954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.0585158541095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.19105769432457

n =  5723
somme des inverses des racines des entiers jusqu a n =  149.8472791867839
2*sqrt(n) =  151.30102445125743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.07156036394832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.204364327362

n =  5724
somme des inverses des racines des entiers jusqu a n =  149.86049671321254
2*sqrt(n) =  151.3142425550219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.08460374944556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.21766979026006

n =  5725
somme des inverses des racines des entiers jusqu a n =  149.87371308522165
2*sqrt(n) =  151.32745950421557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.09764601089313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.23097408332677

n =  5726
somme des inverses des racines des entiers jusqu a n =  149.88692830311365
2*sqrt(n) =  151.3406752991409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.11068714858285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.24427720686992

n =  5727
somme des inverses des racines des entiers jusqu a n =  149.90014236719082
2*sqrt(n) =  151.35388994010032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.12372716280646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.25757916119724

n =  5728
somme des inverses des racines des entiers jusqu a n =  149.91335527775536
2*sqrt(n) =  151.36710342739602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.13676605385555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.27087994661625

n =  5729
somme des inverses des racines des entiers jusqu a n =  149.9265670351093
2*sqrt(n) =  151.38031576133008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.1498038220215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.28417956343438
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n =  5730
somme des inverses des racines des entiers jusqu a n =  149.9397776395545
2*sqrt(n) =  151.3935269422045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.16284046759571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.29747801195887

n =  5731
somme des inverses des racines des entiers jusqu a n =  149.95298709139277
2*sqrt(n) =  151.4067369703211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.17587599086937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.31077529249697

n =  5732
somme des inverses des racines des entiers jusqu a n =  149.96619539092575
2*sqrt(n) =  151.4199458459816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.18891039213355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.32407140535562

n =  5733
somme des inverses des racines des entiers jusqu a n =  149.9794025384549
2*sqrt(n) =  151.43315356948756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.20194367167917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.33736635084173

n =  5734
somme des inverses des racines des entiers jusqu a n =  149.99260853428166
2*sqrt(n) =  151.4463601411404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.21497582979708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.35066012926205

n =  5735
somme des inverses des racines des entiers jusqu a n =  150.00581337870722
2*sqrt(n) =  151.45956556124145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.22800686677797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.36395274092317

n =  5736
somme des inverses des racines des entiers jusqu a n =  150.0190170720327
2*sqrt(n) =  151.4727698300919
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.24103678291243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.3772441861316

n =  5737
somme des inverses des racines des entiers jusqu a n =  150.03221961455912
2*sqrt(n) =  151.4859729479928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.25406557849092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.39053446519372

n =  5738
somme des inverses des racines des entiers jusqu a n =  150.0454210065873
2*sqrt(n) =  151.499174915245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.2670932538037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.40382357841565

n =  5739
somme des inverses des racines des entiers jusqu a n =  150.05862124841795
2*sqrt(n) =  151.51237573214937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.280119809141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.41711152610355

n =  5740
somme des inverses des racines des entiers jusqu a n =  150.07182034035165
2*sqrt(n) =  151.5255753990065
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.2931452447929
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.4303983085633

n =  5741
somme des inverses des racines des entiers jusqu a n =  150.08501828268888
2*sqrt(n) =  151.53877391611692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.3061695610493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.44368392610073

n =  5742
somme des inverses des racines des entiers jusqu a n =  150.09821507572997
2*sqrt(n) =  151.55197128378106
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.31919275820005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.45696837902156

n =  5743
somme des inverses des racines des entiers jusqu a n =  150.11141071977508
2*sqrt(n) =  151.56516750229915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.33221483653486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.4702516676313

n =  5744
somme des inverses des racines des entiers jusqu a n =  150.12460521512432
2*sqrt(n) =  151.57836257197133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.34523579634327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.48353379223536

n =  5745
somme des inverses des racines des entiers jusqu a n =  150.1377985620776
2*sqrt(n) =  151.59155649309758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.35825563791474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.496814753139

n =  5746
somme des inverses des racines des entiers jusqu a n =  150.15099076093472
2*sqrt(n) =  151.6047492659778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.37127436153858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.5100945506474

n =  5747
somme des inverses des racines des entiers jusqu a n =  150.16418181199535
2*sqrt(n) =  151.6179408909117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.38429196750397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.52337318506557

n =  5748
somme des inverses des racines des entiers jusqu a n =  150.17737171555905
2*sqrt(n) =  151.63113136819894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.39730845610003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.53665065669838

n =  5749
somme des inverses des racines des entiers jusqu a n =  150.1905604719252
2*sqrt(n) =  151.6443206981389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.4103238276156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.54992696585055

n =  5750
somme des inverses des racines des entiers jusqu a n =  150.20374808139312
2*sqrt(n) =  151.65750888103102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.42333808233963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.5632021128267

n =  5751
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somme des inverses des racines des entiers jusqu a n =  150.21693454426193
2*sqrt(n) =  151.67069591717444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.43635122056068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.5764760979313

n =  5752
somme des inverses des racines des entiers jusqu a n =  150.23011986083068
2*sqrt(n) =  151.68388180686833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.44936324256744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.58974892146875

n =  5753
somme des inverses des racines des entiers jusqu a n =  150.24330403139825
2*sqrt(n) =  151.6970665504116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.4623741486483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.60302058374324

n =  5754
somme des inverses des racines des entiers jusqu a n =  150.2564870562634
2*sqrt(n) =  151.71025014810306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.47538393909156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.6162910850588

n =  5755
somme des inverses des racines des entiers jusqu a n =  150.26966893572478
2*sqrt(n) =  151.7234326002414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.48839261418544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.6295604257194

n =  5756
somme des inverses des racines des entiers jusqu a n =  150.28284967008085
2*sqrt(n) =  151.73661390712527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.50140017421802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.6428286060289

n =  5757
somme des inverses des racines des entiers jusqu a n =  150.29602925963002
2*sqrt(n) =  151.74979406905302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.51440661947723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.65609562629092

n =  5758
somme des inverses des racines des entiers jusqu a n =  150.3092077046705
2*sqrt(n) =  151.762973086323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.5274119502509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.66936148680907

n =  5759
somme des inverses des racines des entiers jusqu a n =  150.32238500550045
2*sqrt(n) =  151.77615095923338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.5404161668267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.6826261878867

n =  5760
somme des inverses des racines des entiers jusqu a n =  150.33556116241783
2*sqrt(n) =  151.7893276880822
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.55341926949228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.69588972982717

n =  5761
somme des inverses des racines des entiers jusqu a n =  150.3487361757205
2*sqrt(n) =  151.8025032731674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.566421258535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.70915211293357
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n =  5762
somme des inverses des racines des entiers jusqu a n =  150.36191004570614
2*sqrt(n) =  151.81567771478674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.57942213424226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.72241333750898

n =  5763
somme des inverses des racines des entiers jusqu a n =  150.3750827726724
2*sqrt(n) =  151.82885101323794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.59242189690127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.73567340385625

n =  5764
somme des inverses des racines des entiers jusqu a n =  150.38825435691675
2*sqrt(n) =  151.84202316881846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.60542054679905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.74893231227816

n =  5765
somme des inverses des racines des entiers jusqu a n =  150.4014247987365
2*sqrt(n) =  151.85519418182574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.61841808422258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.7621900630773

n =  5766
somme des inverses des racines des entiers jusqu a n =  150.4145940984289
2*sqrt(n) =  151.86836405255704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.6314145094587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.7754466565562

n =  5767
somme des inverses des racines des entiers jusqu a n =  150.42776225629098
2*sqrt(n) =  151.88153278130952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.6444098227941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.7887020930172

n =  5768
somme des inverses des racines des entiers jusqu a n =  150.4409292726197
2*sqrt(n) =  151.8947003683802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.65740402451542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.8019563727626

n =  5769
somme des inverses des racines des entiers jusqu a n =  150.45409514771194
2*sqrt(n) =  151.90786681406595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.67039711490906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.81520949609438

n =  5770
somme des inverses des racines des entiers jusqu a n =  150.46725988186432
2*sqrt(n) =  151.92103211866353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.6833890942614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.8284614633146

n =  5771
somme des inverses des racines des entiers jusqu a n =  150.48042347537347
2*sqrt(n) =  151.9341962824696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.69637996285863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.84171227472507

n =  5772
somme des inverses des racines des entiers jusqu a n =  150.4935859285358
2*sqrt(n) =  151.94735930578062
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.70936972098687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.8549619306275

n =  5773
somme des inverses des racines des entiers jusqu a n =  150.5067472416476
2*sqrt(n) =  151.960521188893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.72235836893208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.86821043132346

n =  5774
somme des inverses des racines des entiers jusqu a n =  150.51990741500506
2*sqrt(n) =  151.97368193210298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.73534590698011
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.8814577771144

n =  5775
somme des inverses des racines des entiers jusqu a n =  150.53306644890426
2*sqrt(n) =  151.98684153570665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.74833233541665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.89470396830163

n =  5776
somme des inverses des racines des entiers jusqu a n =  150.54622434364111
2*sqrt(n) =  152.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.76131765452735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.90794900518634

n =  5777
somme des inverses des racines des entiers jusqu a n =  150.5593810995114
2*sqrt(n) =  152.0131573252789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.77430186459765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.92119288806953

n =  5778
somme des inverses des racines des entiers jusqu a n =  150.5725367168108
2*sqrt(n) =  152.02631351183913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.78728496591296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.93443561725223

n =  5779
somme des inverses des racines des entiers jusqu a n =  150.58569119583484
2*sqrt(n) =  152.03946855997623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.80026695875844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.9476771930351

n =  5780
somme des inverses des racines des entiers jusqu a n =  150.59884453687894
2*sqrt(n) =  152.0526224699857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.81324784341928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.9609176157189

n =  5781
somme des inverses des racines des entiers jusqu a n =  150.6119967402384
2*sqrt(n) =  152.06577524216289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.82622762018042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.97415688560412

n =  5782
somme des inverses des racines des entiers jusqu a n =  150.62514780620836
2*sqrt(n) =  152.07892687680302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.83920628932674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  156.98739500299118

n =  5783
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somme des inverses des racines des entiers jusqu a n =  150.63829773508388
2*sqrt(n) =  152.09207737420118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.85218385114297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.0006319681803

n =  5784
somme des inverses des racines des entiers jusqu a n =  150.65144652715983
2*sqrt(n) =  152.10522673465235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.86516030591375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.01386778147165

n =  5785
somme des inverses des racines des entiers jusqu a n =  150.664594182731
2*sqrt(n) =  152.11837495845134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.87813565392358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.02710244316523

n =  5786
somme des inverses des racines des entiers jusqu a n =  150.67774070209205
2*sqrt(n) =  152.13152204589292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.89110989545685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.04033595356097

n =  5787
somme des inverses des racines des entiers jusqu a n =  150.69088608553747
2*sqrt(n) =  152.1446679972716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.90408303079775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.0535683129585

n =  5788
somme des inverses des racines des entiers jusqu a n =  150.70403033336166
2*sqrt(n) =  152.15781281288187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.9170550602305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.06679952165754

n =  5789
somme des inverses des racines des entiers jusqu a n =  150.7171734458589
2*sqrt(n) =  152.17095649301808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.93002598403908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.08002957995757

n =  5790
somme des inverses des racines des entiers jusqu a n =  150.7303154233233
2*sqrt(n) =  152.1840990379744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.94299580250737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.09325848815791

n =  5791
somme des inverses des racines des entiers jusqu a n =  150.74345626604892
2*sqrt(n) =  152.1972404480449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.95596451591913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.1064862465578

n =  5792
somme des inverses des racines des entiers jusqu a n =  150.75659597432963
2*sqrt(n) =  152.21038072352357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.96893212455802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.11971285545633

n =  5793
somme des inverses des racines des entiers jusqu a n =  150.76973454845916
2*sqrt(n) =  152.22351986470423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.9818986287076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.13293831515253
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n =  5794
somme des inverses des racines des entiers jusqu a n =  150.78287198873116
2*sqrt(n) =  152.2366578718805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  140.99486402865122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.14616262594515

n =  5795
somme des inverses des racines des entiers jusqu a n =  150.79600829543912
2*sqrt(n) =  152.24979474534604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.00782832467218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.15938578813297

n =  5796
somme des inverses des racines des entiers jusqu a n =  150.80914346887644
2*sqrt(n) =  152.26293048539424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.02079151705368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.1726078020145

n =  5797
somme des inverses des racines des entiers jusqu a n =  150.82227750933637
2*sqrt(n) =  152.27606509231842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.03375360607868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.18582866788827

n =  5798
somme des inverses des racines des entiers jusqu a n =  150.83541041711203
2*sqrt(n) =  152.28919856641178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.04671459203018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.19904838605257

n =  5799
somme des inverses des racines des entiers jusqu a n =  150.8485421924964
2*sqrt(n) =  152.3023309079674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.05967447519095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.2122669568056

n =  5800
somme des inverses des racines des entiers jusqu a n =  150.86167283578237
2*sqrt(n) =  152.31546211727817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.07263325584367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.22548438044544

n =  5801
somme des inverses des racines des entiers jusqu a n =  150.8748023472627
2*sqrt(n) =  152.3285921946369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.08559093427084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.23870065726993

n =  5802
somme des inverses des racines des entiers jusqu a n =  150.88793072722996
2*sqrt(n) =  152.34172114033635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.098547510755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.25191578757702

n =  5803
somme des inverses des racines des entiers jusqu a n =  150.9010579759767
2*sqrt(n) =  152.354848954669
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.1115029855784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.2651297716643

n =  5804
somme des inverses des racines des entiers jusqu a n =  150.91418409379526
2*sqrt(n) =  152.3679756379273
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.1244573590232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.2783426098293

n =  5805
somme des inverses des racines des entiers jusqu a n =  150.9273090809779
2*sqrt(n) =  152.38110119040354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.13741063137155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.29155430236952

n =  5806
somme des inverses des racines des entiers jusqu a n =  150.94043293781672
2*sqrt(n) =  152.39422561238993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.15036280290536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.30476484958223

n =  5807
somme des inverses des racines des entiers jusqu a n =  150.95355566460373
2*sqrt(n) =  152.4073489041785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.16331387390645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.3179742517645

n =  5808
somme des inverses des racines des entiers jusqu a n =  150.96667726163076
2*sqrt(n) =  152.4204710660612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.17626384465657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.3311825092135

n =  5809
somme des inverses des racines des entiers jusqu a n =  150.97979772918958
2*sqrt(n) =  152.43359209832983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.1892127154373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.3443896222261

n =  5810
somme des inverses des racines des entiers jusqu a n =  150.9929170675718
2*sqrt(n) =  152.44671200127604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.2021604865301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.35759559109903

n =  5811
somme des inverses des racines des entiers jusqu a n =  151.0060352770689
2*sqrt(n) =  152.4598307751914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.21510715821628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.37080041612893

n =  5812
somme des inverses des racines des entiers jusqu a n =  151.01915235797222
2*sqrt(n) =  152.47294842036735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.22805273077716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.38400409761243

n =  5813
somme des inverses des racines des entiers jusqu a n =  151.03226831057304
2*sqrt(n) =  152.48606493709516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.24099720449382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.39720663584583

n =  5814
somme des inverses des racines des entiers jusqu a n =  151.04538313516247
2*sqrt(n) =  152.499180325666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.25394057964718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.4104080311254

n =  5815
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somme des inverses des racines des entiers jusqu a n =  151.05849683203147
2*sqrt(n) =  152.51229458637098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.26688285651824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.42360828374737

n =  5816
somme des inverses des racines des entiers jusqu a n =  151.0716094014709
2*sqrt(n) =  152.52540771950095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.2798240353876
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.43680739400762

n =  5817
somme des inverses des racines des entiers jusqu a n =  151.08472084377152
2*sqrt(n) =  152.53851972534676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.292764116536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.45000536220215

n =  5818
somme des inverses des racines des entiers jusqu a n =  151.09783115922392
2*sqrt(n) =  152.55163060419906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.30570310024393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.46320218862664

n =  5819
somme des inverses des racines des entiers jusqu a n =  151.1109403481186
2*sqrt(n) =  152.56474035634838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.3186409867917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.4763978735767

n =  5820
somme des inverses des racines des entiers jusqu a n =  151.12404841074593
2*sqrt(n) =  152.57784898208521
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.33157777645974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.48959241734795

n =  5821
somme des inverses des racines des entiers jusqu a n =  151.13715534739615
2*sqrt(n) =  152.5909564816998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.34451346952807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.50278582023566

n =  5822
somme des inverses des racines des entiers jusqu a n =  151.15026115835934
2*sqrt(n) =  152.6040628554823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.35744806627676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.5159780825351

n =  5823
somme des inverses des racines des entiers jusqu a n =  151.16336584392553
2*sqrt(n) =  152.61716810372286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.37038156698574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.5291692045414

n =  5824
somme des inverses des racines des entiers jusqu a n =  151.17646940438456
2*sqrt(n) =  152.6302722267113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.38331397193477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.54235918654956

n =  5825
somme des inverses des racines des entiers jusqu a n =  151.18957184002616
2*sqrt(n) =  152.64337522473747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.39624528140357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.55554802885442
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n =  5826
somme des inverses des racines des entiers jusqu a n =  151.20267315113998
2*sqrt(n) =  152.65647709809105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.40917549567166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.56873573175073

n =  5827
somme des inverses des racines des entiers jusqu a n =  151.21577333801548
2*sqrt(n) =  152.6695778470616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.42210461501853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.58192229553313

n =  5828
somme des inverses des racines des entiers jusqu a n =  151.22887240094204
2*sqrt(n) =  152.68267747193852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.43503263972343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.59510772049606

n =  5829
somme des inverses des racines des entiers jusqu a n =  151.2419703402089
2*sqrt(n) =  152.6957759730111
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.44795957006556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.60829200693388

n =  5830
somme des inverses des racines des entiers jusqu a n =  151.25506715610516
2*sqrt(n) =  152.7088733505686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.46088540632408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.62147515514087

n =  5831
somme des inverses des racines des entiers jusqu a n =  151.26816284891984
2*sqrt(n) =  152.7219696049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.47381014877786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.63465716541108

n =  5832
somme des inverses des racines des entiers jusqu a n =  151.2812574189418
2*sqrt(n) =  152.73506473629428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.4867337977058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.64783803803851

n =  5833
somme des inverses des racines des entiers jusqu a n =  151.2943508664598
2*sqrt(n) =  152.7481587450402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.49965635338657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.661017773317

n =  5834
somme des inverses des racines des entiers jusqu a n =  151.30744319176247
2*sqrt(n) =  152.7612516314265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.51257781609883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.67419637154032

n =  5835
somme des inverses des racines des entiers jusqu a n =  151.32053439513828
2*sqrt(n) =  152.77434339574168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.52549818612104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.687373833002

n =  5836
somme des inverses des racines des entiers jusqu a n =  151.33362447687563
2*sqrt(n) =  152.78743403827423
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.53841746373155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.70055015799556

n =  5837
somme des inverses des racines des entiers jusqu a n =  151.34671343726276
2*sqrt(n) =  152.80052355931247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.55133564920868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.71372534681436

n =  5838
somme des inverses des racines des entiers jusqu a n =  151.3598012765878
2*sqrt(n) =  152.81361195914454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.5642527428305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.72689939975157

n =  5839
somme des inverses des racines des entiers jusqu a n =  151.37288799513877
2*sqrt(n) =  152.82669923805852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.577168744875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.7400723171003

n =  5840
somme des inverses des racines des entiers jusqu a n =  151.38597359320352
2*sqrt(n) =  152.8397853963424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.59008365562013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.75324409915353

n =  5841
somme des inverses des racines des entiers jusqu a n =  151.39905807106982
2*sqrt(n) =  152.85287043428397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.60299747534367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.76641474620413

n =  5842
somme des inverses des racines des entiers jusqu a n =  151.41214142902533
2*sqrt(n) =  152.86595435217092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.61591020432323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.77958425854476

n =  5843
somme des inverses des racines des entiers jusqu a n =  151.42522366735756
2*sqrt(n) =  152.87903715029083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.6288218428364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.79275263646804

n =  5844
somme des inverses des racines des entiers jusqu a n =  151.43830478635388
2*sqrt(n) =  152.89211882893113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.64173239116056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.80591988026643

n =  5845
somme des inverses des racines des entiers jusqu a n =  151.45138478630156
2*sqrt(n) =  152.9051993883792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.65464184957304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.81908599023228

n =  5846
somme des inverses des racines des entiers jusqu a n =  151.46446366748773
2*sqrt(n) =  152.9182788289222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.66755021835104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.8322509666578

n =  5847
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somme des inverses des racines des entiers jusqu a n =  151.47754143019947
2*sqrt(n) =  152.93135715084725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.68045749777158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.8454148098351

n =  5848
somme des inverses des racines des entiers jusqu a n =  151.4906180747236
2*sqrt(n) =  152.94443435444128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.69336368811167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.8585775200561

n =  5849
somme des inverses des racines des entiers jusqu a n =  151.50369360134698
2*sqrt(n) =  152.95751043999115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.70626878964813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.87173909761268

n =  5850
somme des inverses des racines des entiers jusqu a n =  151.5167680103562
2*sqrt(n) =  152.97058540778355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.71917280265765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.8848995427965

n =  5851
somme des inverses des racines des entiers jusqu a n =  151.5298413020378
2*sqrt(n) =  152.9836592581051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.73207572741686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.8980588558992

n =  5852
somme des inverses des racines des entiers jusqu a n =  151.5429134766782
2*sqrt(n) =  152.99673199124223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.74497756420223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.91121703721223

n =  5853
somme des inverses des racines des entiers jusqu a n =  151.5559845345637
2*sqrt(n) =  153.0098036074813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.7578783132901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.9243740870269

n =  5854
somme des inverses des racines des entiers jusqu a n =  151.56905447598044
2*sqrt(n) =  153.02287410710858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.77077797495676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.9375300056345

n =  5855
somme des inverses des racines des entiers jusqu a n =  151.58212330121447
2*sqrt(n) =  153.03594349041012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.78367654947832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.95068479332602

n =  5856
somme des inverses des racines des entiers jusqu a n =  151.5951910105517
2*sqrt(n) =  153.04901175767193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.7965740371308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.9638384503925

n =  5857
somme des inverses des racines des entiers jusqu a n =  151.60825760427795
2*sqrt(n) =  153.06207890917986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.8094704381901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.97699097712476
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n =  5858
somme des inverses des racines des entiers jusqu a n =  151.62132308267888
2*sqrt(n) =  153.07514494521962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.82236575293194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  157.99014237381346

n =  5859
somme des inverses des racines des entiers jusqu a n =  151.63438744604005
2*sqrt(n) =  153.08820986607688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.8352599816321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.00329264074927

n =  5860
somme des inverses des racines des entiers jusqu a n =  151.6474506946469
2*sqrt(n) =  153.1012736720371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.84815312456607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.01644177822263

n =  5861
somme des inverses des racines des entiers jusqu a n =  151.6605128287847
2*sqrt(n) =  153.11433636338563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.8610451820092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.02958978652384

n =  5862
somme des inverses des racines des entiers jusqu a n =  151.67357384873867
2*sqrt(n) =  153.12739794040777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.87393615423693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.04273666594318

n =  5863
somme des inverses des racines des entiers jusqu a n =  151.6866337547939
2*sqrt(n) =  153.1404584033886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.8868260415244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.05588241677071

n =  5864
somme des inverses des racines des entiers jusqu a n =  151.6996925472353
2*sqrt(n) =  153.15351775261317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.89971484414667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.0690270392964

n =  5865
somme des inverses des racines des entiers jusqu a n =  151.71275022634768
2*sqrt(n) =  153.16657598836633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.91260256237877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.0821705338101

n =  5866
somme des inverses des racines des entiers jusqu a n =  151.72580679241577
2*sqrt(n) =  153.17963311093285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.92548919649545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.09531290060156

n =  5867
somme des inverses des racines des entiers jusqu a n =  151.73886224572416
2*sqrt(n) =  153.1926891205974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.93837474677156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.10845413996034

n =  5868
somme des inverses des racines des entiers jusqu a n =  151.7519165865573
2*sqrt(n) =  153.20574401764446
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.9512592134816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.1215942521759

n =  5869
somme des inverses des racines des entiers jusqu a n =  151.7649698151995
2*sqrt(n) =  153.21879780235844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.9641425969001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.1347332375376

n =  5870
somme des inverses des racines des entiers jusqu a n =  151.778021931935
2*sqrt(n) =  153.23185047502363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.9770248973015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.1478710963347

n =  5871
somme des inverses des racines des entiers jusqu a n =  151.79107293704791
2*sqrt(n) =  153.24490203592418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  141.98990611496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.16100782885627

n =  5872
somme des inverses des racines des entiers jusqu a n =  151.80412283082222
2*sqrt(n) =  153.25795248534413
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.0027862501498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.1741434353913

n =  5873
somme des inverses des racines des entiers jusqu a n =  151.81717161354175
2*sqrt(n) =  153.2710018235674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.01566530314489
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.18727791622865

n =  5874
somme des inverses des racines des entiers jusqu a n =  151.83021928549024
2*sqrt(n) =  153.28405005087777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.0285432742192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.20041127165703

n =  5875
somme des inverses des racines des entiers jusqu a n =  151.8432658469513
2*sqrt(n) =  153.29709716755892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.04142016364656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.2135435019651

n =  5876
somme des inverses des racines des entiers jusqu a n =  151.85631129820845
2*sqrt(n) =  153.3101431738944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.05429597170064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.22667460744128

n =  5877
somme des inverses des racines des entiers jusqu a n =  151.86935563954503
2*sqrt(n) =  153.32318807016765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.067170698655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.23980458837397

n =  5878
somme des inverses des racines des entiers jusqu a n =  151.8823988712443
2*sqrt(n) =  153.33623185666198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.08004434478312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.2529334450514

n =  5879
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somme des inverses des racines des entiers jusqu a n =  151.8954409935894
2*sqrt(n) =  153.34927453366058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.09291691035833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.26606117776169

n =  5880
somme des inverses des racines des entiers jusqu a n =  151.90848200686332
2*sqrt(n) =  153.3623161014465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.10578839565383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.27918778679285

n =  5881
somme des inverses des racines des entiers jusqu a n =  151.92152191134898
2*sqrt(n) =  153.37535656030275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.1186588009428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.29231327243272

n =  5882
somme des inverses des racines des entiers jusqu a n =  151.93456070732913
2*sqrt(n) =  153.3883959105121
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.13152812649815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.30543763496905

n =  5883
somme des inverses des racines des entiers jusqu a n =  151.94759839508643
2*sqrt(n) =  153.40143415235727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.1443963725928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.3185608746895

n =  5884
somme des inverses des racines des entiers jusqu a n =  151.9606349749034
2*sqrt(n) =  153.41447128612086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.15726353949952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.3316829918815

n =  5885
somme des inverses des racines des entiers jusqu a n =  151.97367044706246
2*sqrt(n) =  153.42750731208534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.17012962749098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.34480398683252

n =  5886
somme des inverses des racines des entiers jusqu a n =  151.9867048118459
2*sqrt(n) =  153.44054223053305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.18299463683965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.35792385982975

n =  5887
somme des inverses des racines des entiers jusqu a n =  151.99973806953588
2*sqrt(n) =  153.45357604174626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.195858567818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.3710426111604

n =  5888
somme des inverses des racines des entiers jusqu a n =  152.01277022041444
2*sqrt(n) =  153.466608746007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.2087214206983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.38416024111137

n =  5889
somme des inverses des racines des entiers jusqu a n =  152.02580126476352
2*sqrt(n) =  153.47964034359737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.2215831957528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.39727674996965
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n =  5890
somme des inverses des racines des entiers jusqu a n =  152.03883120286494
2*sqrt(n) =  153.49267083479916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.23444389325354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.41039213802196

n =  5891
somme des inverses des racines des entiers jusqu a n =  152.0518600350004
2*sqrt(n) =  153.50570021989412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.24730351347245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.42350640555497

n =  5892
somme des inverses des racines des entiers jusqu a n =  152.06488776145144
2*sqrt(n) =  153.5187284991639
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.2601620566814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.43661955285515

n =  5893
somme des inverses des racines des entiers jusqu a n =  152.07791438249956
2*sqrt(n) =  153.53175567289003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.27301952315213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.44973158020898

n =  5894
somme des inverses des racines des entiers jusqu a n =  152.09093989842603
2*sqrt(n) =  153.5447817413539
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.28587591315625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.4628424879027

n =  5895
somme des inverses des racines des entiers jusqu a n =  152.1039643095121
2*sqrt(n) =  153.55780670483674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.29873122696526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.47595227622247

n =  5896
somme des inverses des racines des entiers jusqu a n =  152.11698761603887
2*sqrt(n) =  153.57083056361972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.31158546485057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.4890609454543

n =  5897
somme des inverses des racines des entiers jusqu a n =  152.1300098182873
2*sqrt(n) =  153.5838533179839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.3244386270834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.50216849588415

n =  5898
somme des inverses des racines des entiers jusqu a n =  152.14303091653827
2*sqrt(n) =  153.59687496821022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.337290713935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.51527492779783

n =  5899
somme des inverses des racines des entiers jusqu a n =  152.15605091107247
2*sqrt(n) =  153.6098955145794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.3501417256763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.52838024148093

n =  5900
somme des inverses des racines des entiers jusqu a n =  152.16906980217055
2*sqrt(n) =  153.62291495737216
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.36299166257837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.54148443721905

n =  5901
somme des inverses des racines des entiers jusqu a n =  152.182087590113
2*sqrt(n) =  153.63593329686907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.3758405249119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.55458751529764

n =  5902
somme des inverses des racines des entiers jusqu a n =  152.19510427518023
2*sqrt(n) =  153.64895053335053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.38868831294764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.56768947600196

n =  5903
somme des inverses des racines des entiers jusqu a n =  152.20811985765246
2*sqrt(n) =  153.6619666670969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.4015350269562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.58079031961722

n =  5904
somme des inverses des racines des entiers jusqu a n =  152.22113433780984
2*sqrt(n) =  153.67498169838836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.41438066720806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.59389004642853

n =  5905
somme des inverses des racines des entiers jusqu a n =  152.2341477159324
2*sqrt(n) =  153.68799562750502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.42722523397356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.60698865672074

n =  5906
somme des inverses des racines des entiers jusqu a n =  152.24715999230006
2*sqrt(n) =  153.7010084547268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.44006872752294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.62008615077875

n =  5907
somme des inverses des racines des entiers jusqu a n =  152.2601711671926
2*sqrt(n) =  153.7140201803336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.45291114812636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.6331825288872

n =  5908
somme des inverses des racines des entiers jusqu a n =  152.27318124088967
2*sqrt(n) =  153.72703080460508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.46575249605382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.6462777913307

n =  5909
somme des inverses des racines des entiers jusqu a n =  152.28619021367084
2*sqrt(n) =  153.7400403278209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.47859277157522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.65937193839375

n =  5910
somme des inverses des racines des entiers jusqu a n =  152.29919808581553
2*sqrt(n) =  153.75304875026055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.49143197496042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.6724649703606

n =  5911
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somme des inverses des racines des entiers jusqu a n =  152.31220485760306
2*sqrt(n) =  153.7660560722034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.50427010647905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.6855568875156

n =  5912
somme des inverses des racines des entiers jusqu a n =  152.32521052931264
2*sqrt(n) =  153.7790622939287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.51710716640065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.6986476901427

n =  5913
somme des inverses des racines des entiers jusqu a n =  152.3382151012233
2*sqrt(n) =  153.79206741571556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.52994315499473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.71173737852598

n =  5914
somme des inverses des racines des entiers jusqu a n =  152.35121857361406
2*sqrt(n) =  153.80507143784303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.5427780725306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.72482595294923

n =  5915
somme des inverses des racines des entiers jusqu a n =  152.36422094676374
2*sqrt(n) =  153.81807436059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.5556119192775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.73791341369625

n =  5916
somme des inverses des racines des entiers jusqu a n =  152.37722222095104
2*sqrt(n) =  153.8310761842353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.5684446955046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.75099976105062

n =  5917
somme des inverses des racines des entiers jusqu a n =  152.3902223964546
2*sqrt(n) =  153.8440769090575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.5812764014808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.76408499529583

n =  5918
somme des inverses des racines des entiers jusqu a n =  152.4032214735529
2*sqrt(n) =  153.8570765353352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.59410703747506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.77716911671527

n =  5919
somme des inverses des racines des entiers jusqu a n =  152.41621945252427
2*sqrt(n) =  153.87007506334686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.60693660375614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.79025212559222

n =  5920
somme des inverses des racines des entiers jusqu a n =  152.42921633364702
2*sqrt(n) =  153.88307249337075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.6197651005927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.80333402220975

n =  5921
somme des inverses des racines des entiers jusqu a n =  152.44221211719926
2*sqrt(n) =  153.8960688256851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.63259252825333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.816414806851
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n =  5922
somme des inverses des racines des entiers jusqu a n =  152.45520680345902
2*sqrt(n) =  153.9090640605679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.64541888700637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.82949447979868

n =  5923
somme des inverses des racines des entiers jusqu a n =  152.4682003927042
2*sqrt(n) =  153.92205819829724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.65824417712028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.84257304133573

n =  5924
somme des inverses des racines des entiers jusqu a n =  152.48119288521258
2*sqrt(n) =  153.93505123915085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.67106839886316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.85565049174468

n =  5925
somme des inverses des racines des entiers jusqu a n =  152.49418428126182
2*sqrt(n) =  153.94804318340653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.6838915525032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.86872683130818

n =  5926
somme des inverses des racines des entiers jusqu a n =  152.50717458112948
2*sqrt(n) =  153.96103403134185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.69671363830835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.88180206030862

n =  5927
somme des inverses des racines des entiers jusqu a n =  152.52016378509296
2*sqrt(n) =  153.9740237832343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.70953465654645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.8948761790282

n =  5928
somme des inverses des racines des entiers jusqu a n =  152.53315189342962
2*sqrt(n) =  153.98701243936125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.72235460748533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.9079491877492

n =  5929
somme des inverses des racines des entiers jusqu a n =  152.54613890641664
2*sqrt(n) =  154.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.73517349139263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.92102108675368

n =  5930
somme des inverses des racines des entiers jusqu a n =  152.5591248243311
2*sqrt(n) =  154.01298646542764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.7479913085359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.93409187632352

n =  5931
somme des inverses des racines des entiers jusqu a n =  152.57210964744996
2*sqrt(n) =  154.02597183592124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.76080805918252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.9471615567406

n =  5932
somme des inverses des racines des entiers jusqu a n =  152.58509337605008
2*sqrt(n) =  154.03895611175764
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.7736237435998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.96023012828655

n =  5933
somme des inverses des racines des entiers jusqu a n =  152.5980760104082
2*sqrt(n) =  154.0519392932137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.78643836205507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.973297591243

n =  5934
somme des inverses des racines des entiers jusqu a n =  152.6110575508009
2*sqrt(n) =  154.06492138056606
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.7992519148153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.98636394589144

n =  5935
somme des inverses des racines des entiers jusqu a n =  152.6240379975047
2*sqrt(n) =  154.07790237409128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.8120644021475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  158.99942919251316

n =  5936
somme des inverses des racines des entiers jusqu a n =  152.637017350796
2*sqrt(n) =  154.0908822740658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.82487582431858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.0124933313894

n =  5937
somme des inverses des racines des entiers jusqu a n =  152.649995610951
2*sqrt(n) =  154.1038610807659
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.83768618159525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.02555636280124

n =  5938
somme des inverses des racines des entiers jusqu a n =  152.66297277824592
2*sqrt(n) =  154.11683879446787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.85049547424416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.03861828702972

n =  5939
somme des inverses des racines des entiers jusqu a n =  152.67594885295676
2*sqrt(n) =  154.12981541544778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.86330370253194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.0516791043557

n =  5940
somme des inverses des racines des entiers jusqu a n =  152.68892383535945
2*sqrt(n) =  154.14279094398154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.87611086672484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.06473881505988

n =  5941
somme des inverses des racines des entiers jusqu a n =  152.7018977257298
2*sqrt(n) =  154.1557653803451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.88891696708936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.07779741942295

n =  5942
somme des inverses des racines des entiers jusqu a n =  152.71487052434347
2*sqrt(n) =  154.16873872481412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.90172200389156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.09085491772538

n =  5943
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somme des inverses des racines des entiers jusqu a n =  152.72784223147605
2*sqrt(n) =  154.18171097766427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.9145259773976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.10391131024758

n =  5944
somme des inverses des racines des entiers jusqu a n =  152.74081284740296
2*sqrt(n) =  154.19468213917105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.92732888787347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.11696659726985

n =  5945
somme des inverses des racines des entiers jusqu a n =  152.75378237239957
2*sqrt(n) =  154.20765220960988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.940130735585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.1300207790723

n =  5946
somme des inverses des racines des entiers jusqu a n =  152.76675080674107
2*sqrt(n) =  154.220621189256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.95293152079796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.14307385593503

n =  5947
somme des inverses des racines des entiers jusqu a n =  152.7797181507026
2*sqrt(n) =  154.2335890783846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.965731243778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.1561258281379

n =  5948
somme des inverses des racines des entiers jusqu a n =  152.7926844045591
2*sqrt(n) =  154.24655587727074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.9785299047907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.16917669596074

n =  5949
somme des inverses des racines des entiers jusqu a n =  152.80564956858552
2*sqrt(n) =  154.2595215861893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  142.9913275041014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.18222645968325

n =  5950
somme des inverses des racines des entiers jusqu a n =  152.81861364305658
2*sqrt(n) =  154.27248620541513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.00412404197547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.19527511958498

n =  5951
somme des inverses des racines des entiers jusqu a n =  152.8315766282469
2*sqrt(n) =  154.28544973522293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.01691951867807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.20832267594534

n =  5952
somme des inverses des racines des entiers jusqu a n =  152.84453852443102
2*sqrt(n) =  154.29841217588728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.02971393447436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.22136912904375

n =  5953
somme des inverses des racines des entiers jusqu a n =  152.85749933188336
2*sqrt(n) =  154.31137352768266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.04250728962927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.23441447915934
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n =  5954
somme des inverses des racines des entiers jusqu a n =  152.87045905087822
2*sqrt(n) =  154.3243337908834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.0552995844077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.24745872657127

n =  5955
somme des inverses des racines des entiers jusqu a n =  152.8834176816898
2*sqrt(n) =  154.3372929657638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.0680908190744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.2605018715585

n =  5956
somme des inverses des racines des entiers jusqu a n =  152.89637522459213
2*sqrt(n) =  154.3502510525979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.08088099389403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.27354391439985

n =  5957
somme des inverses des racines des entiers jusqu a n =  152.90933167985918
2*sqrt(n) =  154.36320805165977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.0936701091311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.28658485537412

n =  5958
somme des inverses des racines des entiers jusqu a n =  152.9222870477648
2*sqrt(n) =  154.3761639632233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.10645816505007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.2996246947599

n =  5959
somme des inverses des racines des entiers jusqu a n =  152.9352413285827
2*sqrt(n) =  154.38911878756224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.11924516191527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.31266343283573

n =  5960
somme des inverses des racines des entiers jusqu a n =  152.94819452258648
2*sqrt(n) =  154.40207252495026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.13203109999085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.32570106987995

n =  5961
somme des inverses des racines des entiers jusqu a n =  152.96114663004963
2*sqrt(n) =  154.41502517566093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.14481597954102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.3387376061709

n =  5962
somme des inverses des racines des entiers jusqu a n =  152.97409765124553
2*sqrt(n) =  154.42797673996768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.15759980082967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.3517730419867

n =  5963
somme des inverses des racines des entiers jusqu a n =  152.98704758644746
2*sqrt(n) =  154.44092721814383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.17038256412073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.3648073776054

n =  5964
somme des inverses des racines des entiers jusqu a n =  152.99999643592855
2*sqrt(n) =  154.45387661046257
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.18316426967795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.37784061330487

n =  5965
somme des inverses des racines des entiers jusqu a n =  153.01294419996185
2*sqrt(n) =  154.46682491719702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.19594491776502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.390872749363

n =  5966
somme des inverses des racines des entiers jusqu a n =  153.02589087882026
2*sqrt(n) =  154.47977213862015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.20872450864545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.4039037860575

n =  5967
somme des inverses des racines des entiers jusqu a n =  153.0388364727766
2*sqrt(n) =  154.4927182750048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.22150304258273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.41693372366584

n =  5968
somme des inverses des racines des entiers jusqu a n =  153.05178098210357
2*sqrt(n) =  154.50566332662373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.23428051984013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.42996256246553

n =  5969
somme des inverses des racines des entiers jusqu a n =  153.06472440707373
2*sqrt(n) =  154.51860729374957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.24705694068092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.44299030273388

n =  5970
somme des inverses des racines des entiers jusqu a n =  153.07766674795954
2*sqrt(n) =  154.53155017665486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.2598323053682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.45601694474817

n =  5971
somme des inverses des racines des entiers jusqu a n =  153.09060800503337
2*sqrt(n) =  154.544491975612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.27260661416503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.4690424887855

n =  5972
somme des inverses des racines des entiers jusqu a n =  153.10354817856745
2*sqrt(n) =  154.55743269089325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.28537986733417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.4820669351228

n =  5973
somme des inverses des racines des entiers jusqu a n =  153.11648726883388
2*sqrt(n) =  154.57037232277082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.2981520651385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.49509028403696

n =  5974
somme des inverses des racines des entiers jusqu a n =  153.12942527610468
2*sqrt(n) =  154.5833108715168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.31092320784074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.50811253580483

n =  5975
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somme des inverses des racines des entiers jusqu a n =  153.14236220065175
2*sqrt(n) =  154.59624833740307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.32369329570335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.52113369070292

n =  5976
somme des inverses des racines des entiers jusqu a n =  153.15529804274686
2*sqrt(n) =  154.6091847207015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.33646232898886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.53415374900783

n =  5977
somme des inverses des racines des entiers jusqu a n =  153.1682328026617
2*sqrt(n) =  154.62212002168383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.34923030795957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.54717271099594

n =  5978
somme des inverses des racines des entiers jusqu a n =  153.18116648066777
2*sqrt(n) =  154.63505424062166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.36199723287777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.5601905769436

n =  5979
somme des inverses des racines des entiers jusqu a n =  153.19409907703655
2*sqrt(n) =  154.64798737778645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.37476310400555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.5732073471269

n =  5980
somme des inverses des racines des entiers jusqu a n =  153.20703059203936
2*sqrt(n) =  154.66091943344964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.38752792160497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.58622302182198

n =  5981
somme des inverses des racines des entiers jusqu a n =  153.21996102594738
2*sqrt(n) =  154.67385040788247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.40029168593793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.59923760130474

n =  5982
somme des inverses des racines des entiers jusqu a n =  153.23289037903174
2*sqrt(n) =  154.68678030135607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.41305439726617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.612251085851

n =  5983
somme des inverses des racines des entiers jusqu a n =  153.24581865156344
2*sqrt(n) =  154.6997091141415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.4258160558515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.62526347573652

n =  5984
somme des inverses des racines des entiers jusqu a n =  153.2587458438133
2*sqrt(n) =  154.71263684650972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.4385766619554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.63827477123687

n =  5985
somme des inverses des racines des entiers jusqu a n =  153.27167195605213
2*sqrt(n) =  154.72556349873153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.45133621583946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.65128497262756
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n =  5986
somme des inverses des racines des entiers jusqu a n =  153.28459698855056
2*sqrt(n) =  154.7384890710776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.46409471776497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.6642940801839

n =  5987
somme des inverses des racines des entiers jusqu a n =  153.2975209415791
2*sqrt(n) =  154.75141356381855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.4768521679932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.67730209418121

n =  5988
somme des inverses des racines des entiers jusqu a n =  153.3104438154082
2*sqrt(n) =  154.76433697722481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.4896085667853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.69030901489458

n =  5989
somme des inverses des racines des entiers jusqu a n =  153.32336561030814
2*sqrt(n) =  154.77725931156684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.50236391440237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.70331484259907

n =  5990
somme des inverses des racines des entiers jusqu a n =  153.33628632654913
2*sqrt(n) =  154.7901805671148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.5151182111053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.71631957756952

n =  5991
somme des inverses des racines des entiers jusqu a n =  153.34920596440125
2*sqrt(n) =  154.80310074413885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.52787145715493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.7293232200808

n =  5992
somme des inverses des racines des entiers jusqu a n =  153.36212452413446
2*sqrt(n) =  154.81601984290901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.54062365281197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.74232577040755

n =  5993
somme des inverses des racines des entiers jusqu a n =  153.37504200601862
2*sqrt(n) =  154.82893786369524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.55337479833707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.75532722882434

n =  5994
somme des inverses des racines des entiers jusqu a n =  153.38795841032348
2*sqrt(n) =  154.8418548067673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.5661248939907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.7683275956056

n =  5995
somme des inverses des racines des entiers jusqu a n =  153.40087373731868
2*sqrt(n) =  154.85477067239486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.57887394003325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.78132687102567

n =  5996
somme des inverses des racines des entiers jusqu a n =  153.4137879872737
2*sqrt(n) =  154.86768546084753
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.59162193672503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.79432505535877

n =  5997
somme des inverses des racines des entiers jusqu a n =  153.426701160458
2*sqrt(n) =  154.88059917239474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.60436888432622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.807322148879

n =  5998
somme des inverses des racines des entiers jusqu a n =  153.43961325714085
2*sqrt(n) =  154.89351180730586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.6171147830969
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.82031815186033

n =  5999
somme des inverses des racines des entiers jusqu a n =  153.4525242775914
2*sqrt(n) =  154.90642336585015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.62985963329706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.83331306457669

n =  6000
somme des inverses des racines des entiers jusqu a n =  153.46543422207876
2*sqrt(n) =  154.91933384829667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.6426034351865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.84630688730175

n =  6001
somme des inverses des racines des entiers jusqu a n =  153.47834309087187
2*sqrt(n) =  154.9322432549145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.655346189025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.85929962030926

n =  6002
somme des inverses des racines des entiers jusqu a n =  153.49125088423958
2*sqrt(n) =  154.94515158597252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.6680878950722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.87229126387268

n =  6003
somme des inverses des racines des entiers jusqu a n =  153.50415760245062
2*sqrt(n) =  154.9580588417395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.68082855358767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.8852818182654

n =  6004
somme des inverses des racines des entiers jusqu a n =  153.5170632457736
2*sqrt(n) =  154.97096502248414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.6935681648308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.8982712837608

n =  6005
somme des inverses des racines des entiers jusqu a n =  153.52996781447706
2*sqrt(n) =  154.983870128475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.7063067290609
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.91125966063203

n =  6006
somme des inverses des racines des entiers jusqu a n =  153.54287130882938
2*sqrt(n) =  154.9967741599805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.71904424653724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.92424694915215

n =  6007
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somme des inverses des racines des entiers jusqu a n =  153.55577372909883
2*sqrt(n) =  155.00967711726904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.7317807175189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.9372331495941

n =  6008
somme des inverses des racines des entiers jusqu a n =  153.5686750755536
2*sqrt(n) =  155.0225790006088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.74451614226484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.95021826223078

n =  6009
somme des inverses des racines des entiers jusqu a n =  153.58157534846177
2*sqrt(n) =  155.03547981026796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.75725052103402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.96320228733492

n =  6010
somme des inverses des racines des entiers jusqu a n =  153.59447454809126
2*sqrt(n) =  155.04837954651444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.76998385408518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.97618522517905

n =  6011
somme des inverses des racines des entiers jusqu a n =  153.60737267470992
2*sqrt(n) =  155.0612782096162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.78271614167704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  159.98916707603578

n =  6012
somme des inverses des racines des entiers jusqu a n =  153.6202697285855
2*sqrt(n) =  155.07417579984102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.79544738406815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.00214784017743

n =  6013
somme des inverses des racines des entiers jusqu a n =  153.63316570998558
2*sqrt(n) =  155.08707231745655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.808177581517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.01512751787632

n =  6014
somme des inverses des racines des entiers jusqu a n =  153.6460606191777
2*sqrt(n) =  155.09996776273036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.8209067342819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.0281061094046

n =  6015
somme des inverses des racines des entiers jusqu a n =  153.65895445642923
2*sqrt(n) =  155.1128621359299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.83363484262114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.0410836150343

n =  6016
somme des inverses des racines des entiers jusqu a n =  153.67184722200747
2*sqrt(n) =  155.12575543732254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.84636190679288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.05406003503737

n =  6017
somme des inverses des racines des entiers jusqu a n =  153.68473891617958
2*sqrt(n) =  155.13864766717543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.8590879270551
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.0670353696856
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n =  6018
somme des inverses des racines des entiers jusqu a n =  153.69762953921264
2*sqrt(n) =  155.15153882575578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.87181290366578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.08000961925077

n =  6019
somme des inverses des racines des entiers jusqu a n =  153.71051909137358
2*sqrt(n) =  155.1644289133305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.88453683688275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.0929827840044

n =  6020
somme des inverses des racines des entiers jusqu a n =  153.72340757292923
2*sqrt(n) =  155.1773179301666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.89725972696374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.10595486421803

n =  6021
somme des inverses des racines des entiers jusqu a n =  153.73629498414635
2*sqrt(n) =  155.19020587653074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.9099815741663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.11892586016296

n =  6022
somme des inverses des racines des entiers jusqu a n =  153.74918132529154
2*sqrt(n) =  155.20309275268968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.922702378748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.1318957721105

n =  6023
somme des inverses des racines des entiers jusqu a n =  153.7620665966313
2*sqrt(n) =  155.21597855890997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.93542214096624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.14486460033183

n =  6024
somme des inverses des racines des entiers jusqu a n =  153.77495079843206
2*sqrt(n) =  155.22886329545804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.94814086107831
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.1578323450979

n =  6025
somme des inverses des racines des entiers jusqu a n =  153.78783393096006
2*sqrt(n) =  155.24174696260025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.9608585393414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.17079900667966

n =  6026
somme des inverses des racines des entiers jusqu a n =  153.80071599448152
2*sqrt(n) =  155.2546295606028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.97357517601256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.18376458534792

n =  6027
somme des inverses des racines des entiers jusqu a n =  153.8135969892625
2*sqrt(n) =  155.26751108973184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.9862907713488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.19672908137335

n =  6028
somme des inverses des racines des entiers jusqu a n =  153.82647691556892
2*sqrt(n) =  155.28039155025337
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  143.999005325607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.20969249502656

n =  6029
somme des inverses des racines des entiers jusqu a n =  153.83935577366665
2*sqrt(n) =  155.2932709424333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.0117188390439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.222654826578

n =  6030
somme des inverses des racines des entiers jusqu a n =  153.85223356382141
2*sqrt(n) =  155.3061492665374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.02443131191617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.23561607629802

n =  6031
somme des inverses des racines des entiers jusqu a n =  153.86511028629886
2*sqrt(n) =  155.3190265228314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.0371427444804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.24857624445687

n =  6032
somme des inverses des racines des entiers jusqu a n =  153.87798594136447
2*sqrt(n) =  155.3319027115808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.04985313699302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.2615353313247

n =  6033
somme des inverses des racines des entiers jusqu a n =  153.89086052928366
2*sqrt(n) =  155.3447778330511
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.06256248971033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.27449333717146

n =  6034
somme des inverses des racines des entiers jusqu a n =  153.90373405032173
2*sqrt(n) =  155.35765188750761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.0752708028886
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.2874502622671

n =  6035
somme des inverses des racines des entiers jusqu a n =  153.91660650474387
2*sqrt(n) =  155.37052487521564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.087978076784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.30040610688144

n =  6036
somme des inverses des racines des entiers jusqu a n =  153.92947789281516
2*sqrt(n) =  155.38339679644025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.10068431165251
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.31336087128412

n =  6037
somme des inverses des racines des entiers jusqu a n =  153.94234821480055
2*sqrt(n) =  155.3962676514465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.11338950775007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.32631455574472

n =  6038
somme des inverses des racines des entiers jusqu a n =  153.95521747096487
2*sqrt(n) =  155.4091374404993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.12609366533252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.3392671605327

n =  6039
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somme des inverses des racines des entiers jusqu a n =  153.9680856615729
2*sqrt(n) =  155.42200616386341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.1387967846555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.35221868591736

n =  6040
somme des inverses des racines des entiers jusqu a n =  153.98095278688928
2*sqrt(n) =  155.4348738218036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.15149886597473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.365169132168

n =  6041
somme des inverses des racines des entiers jusqu a n =  153.99381884717852
2*sqrt(n) =  155.44774041458436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.16419990954563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.37811849955372

n =  6042
somme des inverses des racines des entiers jusqu a n =  154.00668384270503
2*sqrt(n) =  155.4606059424702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.1768999156236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.39106678834352

n =  6043
somme des inverses des racines des entiers jusqu a n =  154.01954777373314
2*sqrt(n) =  155.4734704057255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.18959888446395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.40401399880628

n =  6044
somme des inverses des racines des entiers jusqu a n =  154.03241064052705
2*sqrt(n) =  155.48633380461447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.20229681632185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.41696013121077

n =  6045
somme des inverses des racines des entiers jusqu a n =  154.04527244335083
2*sqrt(n) =  155.4991961394013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.21499371145242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.42990518582576

n =  6046
somme des inverses des racines des entiers jusqu a n =  154.05813318246845
2*sqrt(n) =  155.51205741035002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.2276895701106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.4428491629197

n =  6047
somme des inverses des racines des entiers jusqu a n =  154.0709928581438
2*sqrt(n) =  155.52491761772453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.2403843925513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.45579206276113

n =  6048
somme des inverses des racines des entiers jusqu a n =  154.08385147064064
2*sqrt(n) =  155.53777676178865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.25307817902927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.46873388561832

n =  6049
somme des inverses des racines des entiers jusqu a n =  154.09670902022262
2*sqrt(n) =  155.5506348428061
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.26577092979917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.48167463175955
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n =  6050
somme des inverses des racines des entiers jusqu a n =  154.1095655071533
2*sqrt(n) =  155.56349186104046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.27846264511558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.4946143014529

n =  6051
somme des inverses des racines des entiers jusqu a n =  154.12242093169607
2*sqrt(n) =  155.57634781675523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.29115332523293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.50755289496638

n =  6052
somme des inverses des racines des entiers jusqu a n =  154.1352752941143
2*sqrt(n) =  155.58920271021378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.30384297040555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.5204904125679

n =  6053
somme des inverses des racines des entiers jusqu a n =  154.1481285946712
2*sqrt(n) =  155.60205654167942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.31653158088773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.53342685452526

n =  6054
somme des inverses des racines des entiers jusqu a n =  154.16098083362985
2*sqrt(n) =  155.61490931141526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.3292191569336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.54636222110608

n =  6055
somme des inverses des racines des entiers jusqu a n =  154.17383201125327
2*sqrt(n) =  155.6277610196844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.34190569879723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.55929651257802

n =  6056
somme des inverses des racines des entiers jusqu a n =  154.18668212780435
2*sqrt(n) =  155.64061166674975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.35459120673247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.57222972920837

n =  6057
somme des inverses des racines des entiers jusqu a n =  154.19953118354587
2*sqrt(n) =  155.65346125287417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.36727568099323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.58516187126463

n =  6058
somme des inverses des racines des entiers jusqu a n =  154.21237917874052
2*sqrt(n) =  155.66630977832037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.3799591218332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.59809293901395

n =  6059
somme des inverses des racines des entiers jusqu a n =  154.22522611365085
2*sqrt(n) =  155.67915724335097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.392641529506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.61102293272347

n =  6060
somme des inverses des racines des entiers jusqu a n =  154.2380719885393
2*sqrt(n) =  155.6920036482285
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.40532290426515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.62395185266018

n =  6061
somme des inverses des racines des entiers jusqu a n =  154.25091680366825
2*sqrt(n) =  155.70484899321536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.4180032463641
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.636879699091

n =  6062
somme des inverses des racines des entiers jusqu a n =  154.26376055929993
2*sqrt(n) =  155.71769327857385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.4306825560561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.6498064722827

n =  6063
somme des inverses des racines des entiers jusqu a n =  154.27660325569647
2*sqrt(n) =  155.73053650456612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.4433608335944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.662732172502

n =  6064
somme des inverses des racines des entiers jusqu a n =  154.2894448931199
2*sqrt(n) =  155.74337867145428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.4560380792321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.6756568000154

n =  6065
somme des inverses des racines des entiers jusqu a n =  154.30228547183214
2*sqrt(n) =  155.7562197795003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.46871429322215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.68858035508936

n =  6066
somme des inverses des racines des entiers jusqu a n =  154.31512499209498
2*sqrt(n) =  155.76905982896602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.4813894758175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7015028379903

n =  6067
somme des inverses des racines des entiers jusqu a n =  154.32796345417015
2*sqrt(n) =  155.78189882011324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.49406362727095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7144242489844

n =  6068
somme des inverses des racines des entiers jusqu a n =  154.34080085831923
2*sqrt(n) =  155.79473675320358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.50673674783516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7273445883378

n =  6069
somme des inverses des racines des entiers jusqu a n =  154.3536372048037
2*sqrt(n) =  155.80757362849857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.5194088377627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7402638563165

n =  6070
somme des inverses des racines des entiers jusqu a n =  154.36647249388494
2*sqrt(n) =  155.82040944625965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.53207989730612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7531820531864

n =  6071
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somme des inverses des racines des entiers jusqu a n =  154.37930672582422
2*sqrt(n) =  155.83324420674813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.5447499267177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.76609917921334

n =  6072
somme des inverses des racines des entiers jusqu a n =  154.3921399008827
2*sqrt(n) =  155.84607791022526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.5574189262498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.77901523466298

n =  6073
somme des inverses des racines des entiers jusqu a n =  154.40497201932146
2*sqrt(n) =  155.8589105569521
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.57008689615455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.7919302198009

n =  6074
somme des inverses des racines des entiers jusqu a n =  154.41780308140142
2*sqrt(n) =  155.8717421471897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.58275383668402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.80484413489256

n =  6075
somme des inverses des racines des entiers jusqu a n =  154.4306330873834
2*sqrt(n) =  155.88457268119896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.59541974809022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.81775698020334

n =  6076
somme des inverses des racines des entiers jusqu a n =  154.44346203752818
2*sqrt(n) =  155.8974021592406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.60808463062494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.83066875599843

n =  6077
somme des inverses des racines des entiers jusqu a n =  154.45628993209635
2*sqrt(n) =  155.91023058157538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.62074848454003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.84357946254306

n =  6078
somme des inverses des racines des entiers jusqu a n =  154.46911677134844
2*sqrt(n) =  155.9230579484638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.63341131008707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.85648910010215

n =  6079
somme des inverses des racines des entiers jusqu a n =  154.48194255554486
2*sqrt(n) =  155.93588426016638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.64607310751765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.86939766894074

n =  6080
somme des inverses des racines des entiers jusqu a n =  154.49476728494594
2*sqrt(n) =  155.9487095169434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.6587338770832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.8823051693235

n =  6081
somme des inverses des racines des entiers jusqu a n =  154.50759095981184
2*sqrt(n) =  155.9615337190552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.67139361903511
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.89521160151526
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n =  6082
somme des inverses des racines des entiers jusqu a n =  154.52041358040265
2*sqrt(n) =  155.97435686676192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.6840523336246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.90811696578058

n =  6083
somme des inverses des racines des entiers jusqu a n =  154.53323514697837
2*sqrt(n) =  155.98717896032352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.69671002110283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.92102126238387

n =  6084
somme des inverses des racines des entiers jusqu a n =  154.5460556597989
2*sqrt(n) =  156.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.7093666817208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.93392449158958

n =  6085
somme des inverses des racines des entiers jusqu a n =  154.55887511912397
2*sqrt(n) =  156.01281998605114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.72202231572953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.94682665366196

n =  6086
somme des inverses des racines des entiers jusqu a n =  154.57169352521325
2*sqrt(n) =  156.0256389187367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.73467692337977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.95972774886513

n =  6087
somme des inverses des racines des entiers jusqu a n =  154.5845108783263
2*sqrt(n) =  156.03845679831622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.7473305049223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.97262777746317

n =  6088
somme des inverses des racines des entiers jusqu a n =  154.5973271787226
2*sqrt(n) =  156.05127362504928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.75998306060777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.98552673972003

n =  6089
somme des inverses des racines des entiers jusqu a n =  154.61014242666144
2*sqrt(n) =  156.06408939919524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.77263459068666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  160.9984246358995

n =  6090
somme des inverses des racines des entiers jusqu a n =  154.62295662240209
2*sqrt(n) =  156.07690412101337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.78528509540942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.01132146626534

n =  6091
somme des inverses des racines des entiers jusqu a n =  154.63576976620365
2*sqrt(n) =  156.08971779076288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.7979345750264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.0242172310811

n =  6092
somme des inverses des racines des entiers jusqu a n =  154.64858185832517
2*sqrt(n) =  156.10253040870285
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.8105830297878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.03711193061037

n =  6093
somme des inverses des racines des entiers jusqu a n =  154.66139289902557
2*sqrt(n) =  156.11534197509224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.82323045994374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.05000556511646

n =  6094
somme des inverses des racines des entiers jusqu a n =  154.67420288856366
2*sqrt(n) =  156.12815249018993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.8358768657443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.06289813486276

n =  6095
somme des inverses des racines des entiers jusqu a n =  154.68701182719812
2*sqrt(n) =  156.14096195425466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.8485222474393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.07578964011233

n =  6096
somme des inverses des racines des entiers jusqu a n =  154.69981971518757
2*sqrt(n) =  156.1537703675451
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.8611666052786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.08868008112833

n =  6097
somme des inverses des racines des entiers jusqu a n =  154.7126265527905
2*sqrt(n) =  156.16657773031974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.87380993951194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.10156945817366

n =  6098
somme des inverses des racines des entiers jusqu a n =  154.72543234026531
2*sqrt(n) =  156.1793840428371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.8864522503889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.1144577715112

n =  6099
somme des inverses des racines des entiers jusqu a n =  154.73823707787028
2*sqrt(n) =  156.19218930535547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.899093538159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.1273450214037

n =  6100
somme des inverses des racines des entiers jusqu a n =  154.75104076586356
2*sqrt(n) =  156.20499351813308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.91173380307168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.1402312081138

n =  6101
somme des inverses des racines des entiers jusqu a n =  154.76384340450326
2*sqrt(n) =  156.21779668142807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.92437304537623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.153116331904

n =  6102
somme des inverses des racines des entiers jusqu a n =  154.7766449940473
2*sqrt(n) =  156.23059879549845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.93701126532184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.16600039303677

n =  6103
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somme des inverses des racines des entiers jusqu a n =  154.78944553475355
2*sqrt(n) =  156.24339986060212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.94964846315764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.17888339177438

n =  6104
somme des inverses des racines des entiers jusqu a n =  154.80224502687977
2*sqrt(n) =  156.25619987699687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.96228463913258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.191765328379

n =  6105
somme des inverses des racines des entiers jusqu a n =  154.8150434706836
2*sqrt(n) =  156.26899884494046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.97491979349564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.20464620311284

n =  6106
somme des inverses des racines des entiers jusqu a n =  154.8278408664226
2*sqrt(n) =  156.28179676469043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  144.9875539264956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.21752601623783

n =  6107
somme des inverses des racines des entiers jusqu a n =  154.8406372143542
2*sqrt(n) =  156.29459363650426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.00018703838114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.23040476801583

n =  6108
somme des inverses des racines des entiers jusqu a n =  154.85343251473572
2*sqrt(n) =  156.30738946063937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.01281912940084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.24328245870862

n =  6109
somme des inverses des racines des entiers jusqu a n =  154.86622676782437
2*sqrt(n) =  156.32018423735306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.0254501998033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.25615908857793

n =  6110
somme des inverses des racines des entiers jusqu a n =  154.87901997387732
2*sqrt(n) =  156.33297796690243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.0380802498368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.26903465788524

n =  6111
somme des inverses des racines des entiers jusqu a n =  154.89181213315155
2*sqrt(n) =  156.3457706495446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.05070927974967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.28190916689204

n =  6112
somme des inverses des racines des entiers jusqu a n =  154.90460324590396
2*sqrt(n) =  156.35856228553652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.06333728979018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.2947826158597

n =  6113
somme des inverses des racines des entiers jusqu a n =  154.91739331239137
2*sqrt(n) =  156.37135287513502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.0759642802063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.30765500504938
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n =  6114
somme des inverses des racines des entiers jusqu a n =  154.9301823328705
2*sqrt(n) =  156.3841424185969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.08859025124613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.32052633472227

n =  6115
somme des inverses des racines des entiers jusqu a n =  154.9429703075979
2*sqrt(n) =  156.39693091617877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.1012152031575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.3333966051394

n =  6116
somme des inverses des racines des entiers jusqu a n =  154.9557572368301
2*sqrt(n) =  156.40971836813722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.11383913618826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.3462658165617

n =  6117
somme des inverses des racines des entiers jusqu a n =  154.96854312082345
2*sqrt(n) =  156.42250477472862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.12646205058607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.3591339692499

n =  6118
somme des inverses des racines des entiers jusqu a n =  154.98132795983426
2*sqrt(n) =  156.43529013620935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.1390839465985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.37200106346478

n =  6119
somme des inverses des racines des entiers jusqu a n =  154.99411175411868
2*sqrt(n) =  156.44807445283564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.15170482447311
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.3848670994669

n =  6120
somme des inverses des racines des entiers jusqu a n =  155.0068945039328
2*sqrt(n) =  156.46085772486356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.1643246844572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.39773207751674

n =  6121
somme des inverses des racines des entiers jusqu a n =  155.0196762095326
2*sqrt(n) =  156.4736399525492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.17694352679814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.41059599787474

n =  6122
somme des inverses des racines des entiers jusqu a n =  155.0324568711739
2*sqrt(n) =  156.48642113614844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.1895613517431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.4234588608011

n =  6123
somme des inverses des racines des entiers jusqu a n =  155.04523648911248
2*sqrt(n) =  156.49920127591707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.20217815953913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.43632066655604

n =  6124
somme des inverses des racines des entiers jusqu a n =  155.058015063604
2*sqrt(n) =  156.5119803721108
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.21479395043323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.44918141539958

n =  6125
somme des inverses des racines des entiers jusqu a n =  155.070792594904
2*sqrt(n) =  156.52475842498527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.22740872467233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.46204110759172

n =  6126
somme des inverses des racines des entiers jusqu a n =  155.08356908326792
2*sqrt(n) =  156.53753543479596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.24002248250324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.4748997433923

n =  6127
somme des inverses des racines des entiers jusqu a n =  155.0963445289511
2*sqrt(n) =  156.55031140179824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.2526352241726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.48775732306106

n =  6128
somme des inverses des racines des entiers jusqu a n =  155.1091189322088
2*sqrt(n) =  156.5630863262474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.265246949927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.50061384685762

n =  6129
somme des inverses des racines des entiers jusqu a n =  155.1218922932961
2*sqrt(n) =  156.57586020839867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.27785766001293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.51346931504153

n =  6130
somme des inverses des racines des entiers jusqu a n =  155.13466461246807
2*sqrt(n) =  156.58863304850706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.29046735467682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.52632372787218

n =  6131
somme des inverses des racines des entiers jusqu a n =  155.14743588997965
2*sqrt(n) =  156.6014048468276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.30307603416492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.53917708560894

n =  6132
somme des inverses des racines des entiers jusqu a n =  155.16020612608563
2*sqrt(n) =  156.61417560361514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.31568369872343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.552029388511

n =  6133
somme des inverses des racines des entiers jusqu a n =  155.17297532104072
2*sqrt(n) =  156.62694531912445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.32829034859847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.56488063683744

n =  6134
somme des inverses des racines des entiers jusqu a n =  155.18574347509954
2*sqrt(n) =  156.6397139936102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.340895984036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.5777308308473

n =  6135
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somme des inverses des racines des entiers jusqu a n =  155.1985105885166
2*sqrt(n) =  156.65248162732692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.3535006052819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.5905799707994

n =  6136
somme des inverses des racines des entiers jusqu a n =  155.2112766615463
2*sqrt(n) =  156.66524822052912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.36610421258203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.60342805695265

n =  6137
somme des inverses des racines des entiers jusqu a n =  155.22404169444295
2*sqrt(n) =  156.6780137734711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.378706806182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.61627508956565

n =  6138
somme des inverses des racines des entiers jusqu a n =  155.23680568746073
2*sqrt(n) =  156.69077828640715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.39130838632747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.62912106889698

n =  6139
somme des inverses des racines des entiers jusqu a n =  155.24956864085377
2*sqrt(n) =  156.7035417595914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.4039089532639
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.64196599520514

n =  6140
somme des inverses des racines des entiers jusqu a n =  155.26233055487603
2*sqrt(n) =  156.71630419327786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.41650850723667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.65480986874846

n =  6141
somme des inverses des racines des entiers jusqu a n =  155.27509142978138
2*sqrt(n) =  156.72906558772053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.42910704849112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.66765268978523

n =  6142
somme des inverses des racines des entiers jusqu a n =  155.28785126582366
2*sqrt(n) =  156.74182594317318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.44170457727242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.68049445857355

n =  6143
somme des inverses des racines des entiers jusqu a n =  155.3006100632565
2*sqrt(n) =  156.7545852598896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.45430109382568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.69333517537157

n =  6144
somme des inverses des racines des entiers jusqu a n =  155.3133678223335
2*sqrt(n) =  156.76734353812338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.4668965983959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.70617484043714

n =  6145
somme des inverses des racines des entiers jusqu a n =  155.32612454330814
2*sqrt(n) =  156.7801007781281
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.47949109122794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.71901345402816
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n =  6146
somme des inverses des racines des entiers jusqu a n =  155.33888022643376
2*sqrt(n) =  156.7928569801571
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.49208457256668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.73185101640232

n =  6147
somme des inverses des racines des entiers jusqu a n =  155.35163487196365
2*sqrt(n) =  156.80561214446377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.50467704265677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.74468752781726

n =  6148
somme des inverses des racines des entiers jusqu a n =  155.36438848015098
2*sqrt(n) =  156.81836627130127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.5172685017428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.75752298853052

n =  6149
somme des inverses des racines des entiers jusqu a n =  155.3771410512488
2*sqrt(n) =  156.83111936092274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.52985895006927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.77035739879946

n =  6150
somme des inverses des racines des entiers jusqu a n =  155.38989258551007
2*sqrt(n) =  156.8438714135812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.54244838788065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.7831907588815

n =  6151
somme des inverses des racines des entiers jusqu a n =  155.40264308318766
2*sqrt(n) =  156.85662242952958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.5550368154212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.79602306903377

n =  6152
somme des inverses des racines des entiers jusqu a n =  155.41539254453428
2*sqrt(n) =  156.86937240902063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.56762423293515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.80885432951337

n =  6153
somme des inverses des racines des entiers jusqu a n =  155.42814096980263
2*sqrt(n) =  156.88212135230705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.58021064066656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.82168454057728

n =  6154
somme des inverses des racines des entiers jusqu a n =  155.44088835924524
2*sqrt(n) =  156.8948692596415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.59279603885952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.8345137024825

n =  6155
somme des inverses des racines des entiers jusqu a n =  155.45363471311455
2*sqrt(n) =  156.90761613127643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.60538042775786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.8473418154857

n =  6156
somme des inverses des racines des entiers jusqu a n =  155.4663800316629
2*sqrt(n) =  156.92036196746426
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.6179638076055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.86016887984363

n =  6157
somme des inverses des racines des entiers jusqu a n =  155.47912431514257
2*sqrt(n) =  156.93310676845724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.63054617864603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.87299489581284

n =  6158
somme des inverses des racines des entiers jusqu a n =  155.49186756380564
2*sqrt(n) =  156.9458505345076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.64312754112316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.88581986364983

n =  6159
somme des inverses des racines des entiers jusqu a n =  155.5046097779042
2*sqrt(n) =  156.95859326586742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.6557078952804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.89864378361094

n =  6160
somme des inverses des racines des entiers jusqu a n =  155.51735095769013
2*sqrt(n) =  156.97133496278866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.6682872413611
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.91146665595244

n =  6161
somme des inverses des racines des entiers jusqu a n =  155.5300911034153
2*sqrt(n) =  156.98407562552325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.68086557960868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.92428848093053

n =  6162
somme des inverses des racines des entiers jusqu a n =  155.5428302153314
2*sqrt(n) =  156.9968152543229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.6934429102663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.9371092588012

n =  6163
somme des inverses des racines des entiers jusqu a n =  155.5555682936901
2*sqrt(n) =  157.00955384943936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.7060192335771
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.94992898982048

n =  6164
somme des inverses des racines des entiers jusqu a n =  155.56830533874293
2*sqrt(n) =  157.02229141112417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.71859454978417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.96274767424418

n =  6165
somme des inverses des racines des entiers jusqu a n =  155.5810413507413
2*sqrt(n) =  157.0350279396288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.73116885913038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.97556531232803

n =  6166
somme des inverses des racines des entiers jusqu a n =  155.59377632993647
2*sqrt(n) =  157.04776343520464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.74374216185856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  161.9883819043277

n =  6167
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somme des inverses des racines des entiers jusqu a n =  155.60651027657974
2*sqrt(n) =  157.06049789810294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.75631445821145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.0011974504987

n =  6168
somme des inverses des racines des entiers jusqu a n =  155.6192431909222
2*sqrt(n) =  157.07323132857488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.76888574843173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.01401195109645

n =  6169
somme des inverses des racines des entiers jusqu a n =  155.63197507321485
2*sqrt(n) =  157.08596372687154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.7814560327619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.02682540637636

n =  6170
somme des inverses des racines des entiers jusqu a n =  155.6447059237086
2*sqrt(n) =  157.09869509324386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.79402531144444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.03963781659357

n =  6171
somme des inverses des racines des entiers jusqu a n =  155.65743574265431
2*sqrt(n) =  157.1114254279427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.80659358472164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.05244918200322

n =  6172
somme des inverses des racines des entiers jusqu a n =  155.67016453030266
2*sqrt(n) =  157.12415473121885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.8191608528358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.06525950286039

n =  6173
somme des inverses des racines des entiers jusqu a n =  155.68289228690426
2*sqrt(n) =  157.13688300332294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.83172711602904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.07806877941988

n =  6174
somme des inverses des racines des entiers jusqu a n =  155.6956190127096
2*sqrt(n) =  157.14961024450554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.84429237454344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.09087701193658

n =  6175
somme des inverses des racines des entiers jusqu a n =  155.70834470796913
2*sqrt(n) =  157.1623364550171
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.85685662862093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.10368420066519

n =  6176
somme des inverses des racines des entiers jusqu a n =  155.7210693729331
2*sqrt(n) =  157.175061635108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.86941987850338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.11649034586029

n =  6177
somme des inverses des racines des entiers jusqu a n =  155.73379300785174
2*sqrt(n) =  157.18778578502847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  145.88198212443257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.1292954477764
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n = 6178
somme des inverses des racines des entiers jusqu a n = 155.74651561297517
2*sqrt(n) = 157.20050890502867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.89454336665014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.14209950666793

n = 6179
somme des inverses des racines des entiers jusqu a n = 155.75923718855336
2*sqrt(n) = 157.21323099535866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.90710360539768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.15490252278914

n = 6180
somme des inverses des racines des entiers jusqu a n = 155.77195773483623
2*sqrt(n) = 157.22595205626837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.91966284091663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.16770449639424

n = 6181
somme des inverses des racines des entiers jusqu a n = 155.78467725207358
2*sqrt(n) = 157.23867208800766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.9322210734484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.1805054277373

n = 6182
somme des inverses des racines des entiers jusqu a n = 155.7973957405151
2*sqrt(n) = 157.25139109082627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.94477830323422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.1933053170723

n = 6183
somme des inverses des racines des entiers jusqu a n = 155.81011320041037
2*sqrt(n) = 157.2641090649739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.95733453051534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.20610416465317

n = 6184
somme des inverses des racines des entiers jusqu a n = 155.8228296320089
2*sqrt(n) = 157.2768260107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.96988975553276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.21890197073364

n = 6185
somme des inverses des racines des entiers jusqu a n = 155.8355450355601
2*sqrt(n) = 157.2895419282541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.9824439785275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.2316987355674

n = 6186
somme des inverses des racines des entiers jusqu a n = 155.84825941131325
2*sqrt(n) = 157.30225681788548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 145.99499719974045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.24449445940797

n = 6187
somme des inverses des racines des entiers jusqu a n = 155.86097275951755
2*sqrt(n) = 157.31497067984344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 146.00754941941244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 162.25728914250894

n = 6188
somme des inverses des racines des entiers jusqu a n = 155.87368508042206
2*sqrt(n) = 157.3276835143771

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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.02010063778414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.27008278512358

n =  6189
somme des inverses des racines des entiers jusqu a n =  155.88639637427582
2*sqrt(n) =  157.34039532173549
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.03265085509614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.28287538750516

n =  6190
somme des inverses des racines des entiers jusqu a n =  155.89910664132768
2*sqrt(n) =  157.35310610216754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.0452000715889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.29566694990686

n =  6191
somme des inverses des racines des entiers jusqu a n =  155.91181588182647
2*sqrt(n) =  157.36581585592216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.05774828750293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.30845747258178

n =  6192
somme des inverses des racines des entiers jusqu a n =  155.92452409602086
2*sqrt(n) =  157.378524583248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.07029550307846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.32124695578278

n =  6193
somme des inverses des racines des entiers jusqu a n =  155.93723128415942
2*sqrt(n) =  157.3912322843938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.08284171855573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.33403539976283

n =  6194
somme des inverses des racines des entiers jusqu a n =  155.94993744649068
2*sqrt(n) =  157.40393895960798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.09538693417483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.34682280477455

n =  6195
somme des inverses des racines des entiers jusqu a n =  155.962642583263
2*sqrt(n) =  157.4166446091391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.10793115017586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.3596091710707

n =  6196
somme des inverses des racines des entiers jusqu a n =  155.9753466947247
2*sqrt(n) =  157.42934923323543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.12047436679867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.37239449890382

n =  6197
somme des inverses des racines des entiers jusqu a n =  155.98804978112392
2*sqrt(n) =  157.4420528321452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.1330165842831
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.38517878852625

n =  6198
somme des inverses des racines des entiers jusqu a n =  156.0007518427088
2*sqrt(n) =  157.4547554061166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.1455578028689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.39796204019044

n =  6199
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somme des inverses des racines des entiers jusqu a n =  156.0134528797273
2*sqrt(n) =  157.4674569553976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.15809802279568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.41074425414857

n =  6200
somme des inverses des racines des entiers jusqu a n =  156.02615289242732
2*sqrt(n) =  157.48015748023622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.17063724430304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.4235254306528

n =  6201
somme des inverses des racines des entiers jusqu a n =  156.03885188105664
2*sqrt(n) =  157.49285698088025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.18317546763038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.43630556995518

n =  6202
somme des inverses des racines des entiers jusqu a n =  156.05154984586295
2*sqrt(n) =  157.50555545757743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.19571269301704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.44908467230763

n =  6203
somme des inverses des racines des entiers jusqu a n =  156.06424678709385
2*sqrt(n) =  157.51825291057543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.20824892070232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.46186273796198

n =  6204
somme des inverses des racines des entiers jusqu a n =  156.07694270499684
2*sqrt(n) =  157.53094934012174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.2207841509253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.47463976716995

n =  6205
somme des inverses des racines des entiers jusqu a n =  156.08963759981927
2*sqrt(n) =  157.54364474646383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.2333183839251
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.48741576018318

n =  6206
somme des inverses des racines des entiers jusqu a n =  156.10233147180847
2*sqrt(n) =  157.55633912984905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.24585161994074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.50019071725322

n =  6207
somme des inverses des racines des entiers jusqu a n =  156.1150243212116
2*sqrt(n) =  157.56903249052462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.25838385921097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.51296463863144

n =  6208
somme des inverses des racines des entiers jusqu a n =  156.12771614827577
2*sqrt(n) =  157.58172482873766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.27091510197462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.5257375245692

n =  6209
somme des inverses des racines des entiers jusqu a n =  156.14040695324798
2*sqrt(n) =  157.59441614473528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.2834453484704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.53850937531772
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n =  6210
somme des inverses des racines des entiers jusqu a n =  156.1530967363751
2*sqrt(n) =  157.60710643876436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.29597459893685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.55128019112811

n =  6211
somme des inverses des racines des entiers jusqu a n =  156.16578549790393
2*sqrt(n) =  157.6197957110718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.30850285361248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.56404997225144

n =  6212
somme des inverses des racines des entiers jusqu a n =  156.17847323808115
2*sqrt(n) =  157.63248396190426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.32103011273568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.57681871893854

n =  6213
somme des inverses des racines des entiers jusqu a n =  156.1911599571534
2*sqrt(n) =  157.64517119150844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.33355637654475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.5895864314403

n =  6214
somme des inverses des racines des entiers jusqu a n =  156.2038456553671
2*sqrt(n) =  157.65785740013087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.34608164527788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.60235311000736

n =  6215
somme des inverses des racines des entiers jusqu a n =  156.21653033296872
2*sqrt(n) =  157.670542588018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.35860591917321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.6151187548904

n =  6216
somme des inverses des racines des entiers jusqu a n =  156.2292139902045
2*sqrt(n) =  157.6832267554162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.37112919846874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.62788336633994

n =  6217
somme des inverses des racines des entiers jusqu a n =  156.24189662732067
2*sqrt(n) =  157.69590990257166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.38365148340233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.64064694460632

n =  6218
somme des inverses des racines des entiers jusqu a n =  156.25457824456333
2*sqrt(n) =  157.70859202973057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.39617277421186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.65340948993992

n =  6219
somme des inverses des racines des entiers jusqu a n =  156.26725884217848
2*sqrt(n) =  157.72127313713898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.4086930711351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.66617100259091

n =  6220
somme des inverses des racines des entiers jusqu a n =  156.279938420412
2*sqrt(n) =  157.73395322504282
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.4212123744096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.67893148280945

n =  6221
somme des inverses des racines des entiers jusqu a n =  156.29261697950972
2*sqrt(n) =  157.74663229368798
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.43373068427297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.69169093084548

n =  6222
somme des inverses des racines des entiers jusqu a n =  156.3052945197173
2*sqrt(n) =  157.75931034332015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.44624800096258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.70444934694893

n =  6223
somme des inverses des racines des entiers jusqu a n =  156.3179710412804
2*sqrt(n) =  157.77198737418502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.45876432471582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.71720673136963

n =  6224
somme des inverses des racines des entiers jusqu a n =  156.33064654444448
2*sqrt(n) =  157.78466338652817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.47127965576993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.72996308435728

n =  6225
somme des inverses des racines des entiers jusqu a n =  156.34332102945496
2*sqrt(n) =  157.797338380595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.4837939943621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.74271840616143

n =  6226
somme des inverses des racines des entiers jusqu a n =  156.35599449655714
2*sqrt(n) =  157.81001235663092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.49630734072937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.7554726970317

n =  6227
somme des inverses des racines des entiers jusqu a n =  156.36866694599627
2*sqrt(n) =  157.82268531488114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.50881969510868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.76822595721737

n =  6228
somme des inverses des racines des entiers jusqu a n =  156.38133837801743
2*sqrt(n) =  157.83535725559088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.521331057737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.78097818696781

n =  6229
somme des inverses des racines des entiers jusqu a n =  156.39400879286563
2*sqrt(n) =  157.84802817900513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.533841428851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.7937293865322

n =  6230
somme des inverses des racines des entiers jusqu a n =  156.4066781907858
2*sqrt(n) =  157.86069808536894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.54635080868744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.80647955615967

n =  6231
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somme des inverses des racines des entiers jusqu a n =  156.41934657202276
2*sqrt(n) =  157.87336697492708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.55885919748286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.81922869609917

n =  6232
somme des inverses des racines des entiers jusqu a n =  156.43201393682122
2*sqrt(n) =  157.8860348479244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.57136659547382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.8319768065997

n =  6233
somme des inverses des racines des entiers jusqu a n =  156.4446802854258
2*sqrt(n) =  157.89870170460554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.5838730028967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.84472388790996

n =  6234
somme des inverses des racines des entiers jusqu a n =  156.457345618081
2*sqrt(n) =  157.91136754521506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.5963784199878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.8574699402787

n =  6235
somme des inverses des racines des entiers jusqu a n =  156.4700099350313
2*sqrt(n) =  157.92403236999743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.6088828469833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.8702149639545

n =  6236
somme des inverses des racines des entiers jusqu a n =  156.48267323652098
2*sqrt(n) =  157.93669617919707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.6213862841194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.8829589591859

n =  6237
somme des inverses des racines des entiers jusqu a n =  156.49533552279428
2*sqrt(n) =  157.9493589730582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.63388873163208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.89570192622125

n =  6238
somme des inverses des racines des entiers jusqu a n =  156.50799679409533
2*sqrt(n) =  157.96202075182504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.64639018975728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.9084438653089

n =  6239
somme des inverses des racines des entiers jusqu a n =  156.52065705066815
2*sqrt(n) =  157.97468151574162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.65889065873085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.921184776697

n =  6240
somme des inverses des racines des entiers jusqu a n =  156.5333162927567
2*sqrt(n) =  157.98734126505198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.67139013878852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.93392466063372

n =  6241
somme des inverses des racines des entiers jusqu a n =  156.5459745206048
2*sqrt(n) =  158.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.68388863016597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.94666351736703
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n =  6242
somme des inverses des racines des entiers jusqu a n =  156.55863173445618
2*sqrt(n) =  158.01265772082945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.69638613309874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.95940134714482

n =  6243
somme des inverses des racines des entiers jusqu a n =  156.5712879345545
2*sqrt(n) =  158.025314427784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.70888264782226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.97213815021487

n =  6244
somme des inverses des racines des entiers jusqu a n =  156.5839431211433
2*sqrt(n) =  158.0379701211073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.72137817457198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.98487392682495

n =  6245
somme des inverses des racines des entiers jusqu a n =  156.59659729446605
2*sqrt(n) =  158.05062480104277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.7338727135831
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  162.99760867722262

n =  6246
somme des inverses des racines des entiers jusqu a n =  156.60925045476606
2*sqrt(n) =  158.0632784678339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.74636626509087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.0103424016554

n =  6247
somme des inverses des racines des entiers jusqu a n =  156.6219026022866
2*sqrt(n) =  158.0759311217239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.75885882933034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.02307510037068

n =  6248
somme des inverses des racines des entiers jusqu a n =  156.63455373727083
2*sqrt(n) =  158.08858276295604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.77135040653653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.0358067736158

n =  6249
somme des inverses des racines des entiers jusqu a n =  156.64720385996182
2*sqrt(n) =  158.10123339177338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.7838409969443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.04853742163792

n =  6250
somme des inverses des racines des entiers jusqu a n =  156.6598529706025
2*sqrt(n) =  158.11388300841898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.79633060078854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.0612670446842

n =  6251
somme des inverses des racines des entiers jusqu a n =  156.67250106943573
2*sqrt(n) =  158.12653161313568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.80881921830388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.07399564300158

n =  6252
somme des inverses des racines des entiers jusqu a n =  156.6851481567043
2*sqrt(n) =  158.13917920616638
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.821306849725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.08672321683704

n =  6253
somme des inverses des racines des entiers jusqu a n =  156.69779423265086
2*sqrt(n) =  158.15182578775372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.83379349528644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.09944976643737

n =  6254
somme des inverses des racines des entiers jusqu a n =  156.710439297518
2*sqrt(n) =  158.16447135814036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.8462791552226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.11217529204924

n =  6255
somme des inverses des racines des entiers jusqu a n =  156.72308335154818
2*sqrt(n) =  158.1771159175688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.8587638297678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.12489979391933

n =  6256
somme des inverses des racines des entiers jusqu a n =  156.7357263949838
2*sqrt(n) =  158.18975946628152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.87124751915638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.1376232722941

n =  6257
somme des inverses des racines des entiers jusqu a n =  156.7483684280671
2*sqrt(n) =  158.2024020045208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.88373022362242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.15034572741996

n =  6258
somme des inverses des racines des entiers jusqu a n =  156.76100945104028
2*sqrt(n) =  158.21504353252885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.89621194340003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.16306715954326

n =  6259
somme des inverses des racines des entiers jusqu a n =  156.77364946414545
2*sqrt(n) =  158.22768405054788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.90869267872318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.17578756891024

n =  6260
somme des inverses des racines des entiers jusqu a n =  156.7862884676246
2*sqrt(n) =  158.24032355881985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.9211724298257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.1885069557669

n =  6261
somme des inverses des racines des entiers jusqu a n =  156.7989264617196
2*sqrt(n) =  158.25296205758679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.93365119694147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.20122532035944

n =  6262
somme des inverses des racines des entiers jusqu a n =  156.81156344667224
2*sqrt(n) =  158.26559954709046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.9461289803041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.21394266293362

n =  6263
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somme des inverses des racines des entiers jusqu a n =  156.82419942272426
2*sqrt(n) =  158.27823602757266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.95860578014725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.22665898373538

n =  6264
somme des inverses des racines des entiers jusqu a n =  156.83683439011725
2*sqrt(n) =  158.29087149927503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.97108159670438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.23937428301033

n =  6265
somme des inverses des racines des entiers jusqu a n =  156.8494683490927
2*sqrt(n) =  158.30350596243912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.98355643020895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.2520885610042

n =  6266
somme des inverses des racines des entiers jusqu a n =  156.86210129989203
2*sqrt(n) =  158.3161394173064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  146.99603028089427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.26480181796248

n =  6267
somme des inverses des racines des entiers jusqu a n =  156.87473324275658
2*sqrt(n) =  158.32877186411824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.00850314899355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.27751405413056

n =  6268
somme des inverses des racines des entiers jusqu a n =  156.88736417792754
2*sqrt(n) =  158.3414033031159
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.02097503474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.29022526975385

n =  6269
somme des inverses des racines des entiers jusqu a n =  156.89999410564604
2*sqrt(n) =  158.35403373454054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.03344593836658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.30293546507752

n =  6270
somme des inverses des racines des entiers jusqu a n =  156.9126230261531
2*sqrt(n) =  158.36666315863323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.04591586010628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.3156446403467

n =  6271
somme des inverses des racines des entiers jusqu a n =  156.92525093968968
2*sqrt(n) =  158.37929157563497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.05838480019196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.32835279580647

n =  6272
somme des inverses des racines des entiers jusqu a n =  156.93787784649658
2*sqrt(n) =  158.39191898578665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.0708527588564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.34105993170175

n =  6273
somme des inverses des racines des entiers jusqu a n =  156.95050374681455
2*sqrt(n) =  158.40454538932903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.0833197363323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.3537660482774
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n =  6274
somme des inverses des racines des entiers jusqu a n =  156.96312864088424
2*sqrt(n) =  158.41717078650282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.0957857328522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.36647114577812

n =  6275
somme des inverses des racines des entiers jusqu a n =  156.9757525289462
2*sqrt(n) =  158.42979517754858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.1082507486486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.37917522444857

n =  6276
somme des inverses des racines des entiers jusqu a n =  156.98837541124087
2*sqrt(n) =  158.44241856270688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.12071478395396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.39187828453333

n =  6277
somme des inverses des racines des entiers jusqu a n =  157.00099728800862
2*sqrt(n) =  158.45504094221806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.13317783900052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.40458032627683

n =  6278
somme des inverses des racines des entiers jusqu a n =  157.01361815948968
2*sqrt(n) =  158.46766231632245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.14563991402056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.4172813499234

n =  6279
somme des inverses des racines des entiers jusqu a n =  157.02623802592424
2*sqrt(n) =  158.48028268526025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.15810100924614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.4299813557173

n =  6280
somme des inverses des racines des entiers jusqu a n =  157.03885688755236
2*sqrt(n) =  158.4929020492716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.17056112490937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.44268034390274

n =  6281
somme des inverses des racines des entiers jusqu a n =  157.051474744614
2*sqrt(n) =  158.50552040859648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.18302026124212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.45537831472367

n =  6282
somme des inverses des racines des entiers jusqu a n =  157.0640915973491
2*sqrt(n) =  158.51813776347487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.19547841847628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.46807526842417

n =  6283
somme des inverses des racines des entiers jusqu a n =  157.07670744599736
2*sqrt(n) =  158.53075411414656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.2079355968436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.48077120524803

n =  6284
somme des inverses des racines des entiers jusqu a n =  157.08932229079852
2*sqrt(n) =  158.54336946085132
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.22039179657583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.49346612543908

n =  6285
somme des inverses des racines des entiers jusqu a n =  157.10193613199215
2*sqrt(n) =  158.55598380382872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.2328470179044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.5061600292409

n =  6286
somme des inverses des racines des entiers jusqu a n =  157.11454896981775
2*sqrt(n) =  158.56859714331839
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.2453012610609
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.51885291689715

n =  6287
somme des inverses des racines des entiers jusqu a n =  157.12716080451472
2*sqrt(n) =  158.5812094795597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.25775452627664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.53154478865122

n =  6288
somme des inverses des racines des entiers jusqu a n =  157.13977163632234
2*sqrt(n) =  158.59382081279207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.27020681378303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.54423564474658

n =  6289
somme des inverses des racines des entiers jusqu a n =  157.15238146547986
2*sqrt(n) =  158.60643114325472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.28265812381122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.55692548542646

n =  6290
somme des inverses des racines des entiers jusqu a n =  157.16499029222638
2*sqrt(n) =  158.61904047118682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.29510845659235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.56961431093407

n =  6291
somme des inverses des racines des entiers jusqu a n =  157.1775981168009
2*sqrt(n) =  158.63164879682742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.3075578123574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.58230212151244

n =  6292
somme des inverses des racines des entiers jusqu a n =  157.1902049394424
2*sqrt(n) =  158.64425612041552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.32000619133737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.5949889174046

n =  6293
somme des inverses des racines des entiers jusqu a n =  157.20281076038967
2*sqrt(n) =  158.65686244219
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.33245359376306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.60767469885346

n =  6294
somme des inverses des racines des entiers jusqu a n =  157.21541557988144
2*sqrt(n) =  158.66946776238962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.34490001986526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.62035946610177

n =  6295
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somme des inverses des racines des entiers jusqu a n =  157.22801939815636
2*sqrt(n) =  158.6820720812531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.35734546987464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.6330432193923

n =  6296
somme des inverses des racines des entiers jusqu a n =  157.240622215453
2*sqrt(n) =  158.694675399019
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.36978994402176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.6457259589676

n =  6297
somme des inverses des racines des entiers jusqu a n =  157.25322403200974
2*sqrt(n) =  158.7072777159258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.38223344253709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.6584076850702

n =  6298
somme des inverses des racines des entiers jusqu a n =  157.26582484806502
2*sqrt(n) =  158.71987903221196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.394675965651
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.67108839794244

n =  6299
somme des inverses des racines des entiers jusqu a n =  157.27842466385707
2*sqrt(n) =  158.73247934811576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.40711751359385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.68376809782671

n =  6300
somme des inverses des racines des entiers jusqu a n =  157.29102347962404
2*sqrt(n) =  158.74507866387543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.41955808659583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.69644678496525

n =  6301
somme des inverses des racines des entiers jusqu a n =  157.30362129560402
2*sqrt(n) =  158.75767697972907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.43199768488702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.7091244596001

n =  6302
somme des inverses des racines des entiers jusqu a n =  157.316218112035
2*sqrt(n) =  158.77027429591473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.4444363086975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.72180112197333

n =  6303
somme des inverses des racines des entiers jusqu a n =  157.32881392915482
2*sqrt(n) =  158.7828706126703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.4568739582572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.73447677232687

n =  6304
somme des inverses des racines des entiers jusqu a n =  157.3414087472013
2*sqrt(n) =  158.79546593023366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.46931063379594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.74715141090252

n =  6305
somme des inverses des racines des entiers jusqu a n =  157.35400256641216
2*sqrt(n) =  158.80806024884254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.48174633554353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.75982503794205
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n =  6306
somme des inverses des racines des entiers jusqu a n =  157.36659538702497
2*sqrt(n) =  158.82065356873457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.49418106372957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.77249765368708

n =  6307
somme des inverses des racines des entiers jusqu a n =  157.37918720927723
2*sqrt(n) =  158.8332458901473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.50661481858367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.78516925837914

n =  6308
somme des inverses des racines des entiers jusqu a n =  157.39177803340638
2*sqrt(n) =  158.84583721331825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.5190476003353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.7978398522597

n =  6309
somme des inverses des racines des entiers jusqu a n =  157.4043678596497
2*sqrt(n) =  158.8584275384847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.5314794092139
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.8105094355701

n =  6310
somme des inverses des racines des entiers jusqu a n =  157.41695668824448
2*sqrt(n) =  158.871016865884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.54391024544876
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.82317800855162

n =  6311
somme des inverses des racines des entiers jusqu a n =  157.4295445194278
2*sqrt(n) =  158.8836051957533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.55634010926906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.83584557144542

n =  6312
somme des inverses des racines des entiers jusqu a n =  157.44213135343668
2*sqrt(n) =  158.89619252832964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.56876900090393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.8485121244925

n =  6313
somme des inverses des racines des entiers jusqu a n =  157.45471719050812
2*sqrt(n) =  158.90877886385007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.58119692058244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.86117766793387

n =  6314
somme des inverses des racines des entiers jusqu a n =  157.46730203087893
2*sqrt(n) =  158.92136420255144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.5936238685335
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.8738422020104

n =  6315
somme des inverses des racines des entiers jusqu a n =  157.47988587478588
2*sqrt(n) =  158.93394854467059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.606049844986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.88650572696287

n =  6316
somme des inverses des racines des entiers jusqu a n =  157.49246872246562
2*sqrt(n) =  158.94653189044422
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.6184748501687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.899168243032

n =  6317
somme des inverses des racines des entiers jusqu a n =  157.50505057415472
2*sqrt(n) =  158.95911424010893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.63089888431023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.91182975045828

n =  6318
somme des inverses des racines des entiers jusqu a n =  157.51763143008966
2*sqrt(n) =  158.97169559390125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.6433219476392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.92449024948226

n =  6319
somme des inverses des racines des entiers jusqu a n =  157.53021129050683
2*sqrt(n) =  158.9842759520576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.65574404038415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.93714974034432

n =  6320
somme des inverses des racines des entiers jusqu a n =  157.54279015564248
2*sqrt(n) =  158.99685531481433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.66816516277342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.94980822328478

n =  6321
somme des inverses des racines des entiers jusqu a n =  157.55536802573283
2*sqrt(n) =  159.00943368240766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.68058531503536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.9624656985438

n =  6322
somme des inverses des racines des entiers jusqu a n =  157.567944901014
2*sqrt(n) =  159.02201105507376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.6930044973982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.97512216636153

n =  6323
somme des inverses des racines des entiers jusqu a n =  157.58052078172196
2*sqrt(n) =  159.03458743304867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.70542271009006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  163.98777762697796

n =  6324
somme des inverses des racines des entiers jusqu a n =  157.59309566809264
2*sqrt(n) =  159.04716281656835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.717839953339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.00043208063303

n =  6325
somme des inverses des racines des entiers jusqu a n =  157.6056695603619
2*sqrt(n) =  159.05973720586866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.73025622737293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.01308552756652

n =  6326
somme des inverses des racines des entiers jusqu a n =  157.6182424587654
2*sqrt(n) =  159.0723106011854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.7426715324198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.02573796801818

n =  6327
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somme des inverses des racines des entiers jusqu a n =  157.6308143635388
2*sqrt(n) =  159.08488300275422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.75508586870734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.03838940222766

n =  6328
somme des inverses des racines des entiers jusqu a n =  157.64338527491765
2*sqrt(n) =  159.09745441081074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.76749923646327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.0510398304345

n =  6329
somme des inverses des racines des entiers jusqu a n =  157.6559551931374
2*sqrt(n) =  159.11002482559041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.7799116359151
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.06368925287805

n =  6330
somme des inverses des racines des entiers jusqu a n =  157.6685241184334
2*sqrt(n) =  159.1225942473287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.79232306729048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.0763376697978

n =  6331
somme des inverses des racines des entiers jusqu a n =  157.6810920510409
2*sqrt(n) =  159.13516267626085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.80473353081672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.0889850814329

n =  6332
somme des inverses des racines des entiers jusqu a n =  157.6936589911951
2*sqrt(n) =  159.1477301126221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.8171430267212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.10163148802255

n =  6333
somme des inverses des racines des entiers jusqu a n =  157.70622493913103
2*sqrt(n) =  159.16029655664758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.82955155523115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.11427688980578

n =  6334
somme des inverses des racines des entiers jusqu a n =  157.71878989508372
2*sqrt(n) =  159.1728620085723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.84195911657372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.1269212870216

n =  6335
somme des inverses des racines des entiers jusqu a n =  157.73135385928802
2*sqrt(n) =  159.18542646863122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.854365710976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.13956467990883

n =  6336
somme des inverses des racines des entiers jusqu a n =  157.74391683197877
2*sqrt(n) =  159.1979899370592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.86677133866493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.1522070687063

n =  6337
somme des inverses des racines des entiers jusqu a n =  157.75647881339063
2*sqrt(n) =  159.21055241409096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.87917599986744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.16484845365272
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n =  6338
somme des inverses des racines des entiers jusqu a n =  157.76903980375826
2*sqrt(n) =  159.22311389996113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.89157969481028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.17748883498658

n =  6339
somme des inverses des racines des entiers jusqu a n =  157.78159980331614
2*sqrt(n) =  159.23567439490435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.90398242372018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.19012821294643

n =  6340
somme des inverses des racines des entiers jusqu a n =  157.79415881229872
2*sqrt(n) =  159.24823389915505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.9163841868238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.2027665877707

n =  6341
somme des inverses des racines des entiers jusqu a n =  157.80671683094033
2*sqrt(n) =  159.26079241294764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.9287849843476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.21540395969765

n =  6342
somme des inverses des racines des entiers jusqu a n =  157.81927385947523
2*sqrt(n) =  159.27334993651638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.9411848165181
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.22804032896553

n =  6343
somme des inverses des racines des entiers jusqu a n =  157.83182989813756
2*sqrt(n) =  159.28590647009545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.95358368356156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.2406756958124

n =  6344
somme des inverses des racines des entiers jusqu a n =  157.84438494716136
2*sqrt(n) =  159.29846201391902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.96598158570436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.25331006047637

n =  6345
somme des inverses des racines des entiers jusqu a n =  157.8569390067806
2*sqrt(n) =  159.31101656822105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.97837852317258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.2659434231953

n =  6346
somme des inverses des racines des entiers jusqu a n =  157.86949207722918
2*sqrt(n) =  159.32357013323548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  147.99077449619233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.27857578420705

n =  6347
somme des inverses des racines des entiers jusqu a n =  157.88204415874085
2*sqrt(n) =  159.3361227091961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.00316950498964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.29120714374935

n =  6348
somme des inverses des racines des entiers jusqu a n =  157.89459525154933
2*sqrt(n) =  159.34867429633672
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.01556354979044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.30383750205988

n =  6349
somme des inverses des racines des entiers jusqu a n =  157.9071453558882
2*sqrt(n) =  159.3612248948909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.02795663082046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.31646685937613

n =  6350
somme des inverses des racines des entiers jusqu a n =  157.91969447199097
2*sqrt(n) =  159.37377450509229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.04034874830555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.32909521593564

n =  6351
somme des inverses des racines des entiers jusqu a n =  157.93224260009103
2*sqrt(n) =  159.38632312717425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.05273990247127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.34172257197574

n =  6352
somme des inverses des racines des entiers jusqu a n =  157.94478974042175
2*sqrt(n) =  159.3988707613702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.06513009354325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.3543489277337

n =  6353
somme des inverses des racines des entiers jusqu a n =  157.95733589321634
2*sqrt(n) =  159.4114174079134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.07751932174688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.36697428344667

n =  6354
somme des inverses des racines des entiers jusqu a n =  157.96988105870793
2*sqrt(n) =  159.42396306703708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.0899075873076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.3795986393518

n =  6355
somme des inverses des racines des entiers jusqu a n =  157.98242523712955
2*sqrt(n) =  159.43650773897426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.1022948904507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.39222199568604

n =  6356
somme des inverses des racines des entiers jusqu a n =  157.9949684287142
2*sqrt(n) =  159.449051423958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.1146812314014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.4048443526863

n =  6357
somme des inverses des racines des entiers jusqu a n =  158.00751063369472
2*sqrt(n) =  159.46159412222116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.12706661038476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.41746571058937

n =  6358
somme des inverses des racines des entiers jusqu a n =  158.02005185230388
2*sqrt(n) =  159.4741358339966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.13945102762585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.43008606963195

n =  6359
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somme des inverses des racines des entiers jusqu a n =  158.03259208477436
2*sqrt(n) =  159.48667655951704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.15183448334963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.44270543005072

n =  6360
somme des inverses des racines des entiers jusqu a n =  158.04513133133875
2*sqrt(n) =  159.49921629901507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.1642169777809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.45532379208214

n =  6361
somme des inverses des racines des entiers jusqu a n =  158.05766959222956
2*sqrt(n) =  159.51175505272332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.1765985111445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.4679411559627

n =  6362
somme des inverses des racines des entiers jusqu a n =  158.07020686767916
2*sqrt(n) =  159.52429282087414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.18897908366506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.4805575219287

n =  6363
somme des inverses des racines des entiers jusqu a n =  158.0827431579199
2*sqrt(n) =  159.53682960369997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.2013586955672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.49317289021636

n =  6364
somme des inverses des racines des entiers jusqu a n =  158.095278463184
2*sqrt(n) =  159.54936540143305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.21373734707538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.5057872610619

n =  6365
somme des inverses des racines des entiers jusqu a n =  158.1078127837036
2*sqrt(n) =  159.56190021430555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.22611503841404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.5184006347013

n =  6366
somme des inverses des racines des entiers jusqu a n =  158.12034611971072
2*sqrt(n) =  159.57443404254957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.23849176980752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.5310130113706

n =  6367
somme des inverses des racines des entiers jusqu a n =  158.1328784714373
2*sqrt(n) =  159.58696688639708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.25086754148006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.5436243913056

n =  6368
somme des inverses des racines des entiers jusqu a n =  158.14540983911522
2*sqrt(n) =  159.59949874608003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.2632423536558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.55623477474214

n =  6369
somme des inverses des racines des entiers jusqu a n =  158.15794022297624
2*sqrt(n) =  159.6120296218302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.27561620655885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.56884416191588
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n =  6370
somme des inverses des racines des entiers jusqu a n =  158.17046962325205
2*sqrt(n) =  159.62455951387932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.2879891004131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.5814525530624

n =  6371
somme des inverses des racines des entiers jusqu a n =  158.18299804017423
2*sqrt(n) =  159.63708842245902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.30036103544253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.59405994841725

n =  6372
somme des inverses des racines des entiers jusqu a n =  158.19552547397427
2*sqrt(n) =  159.64961634780084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.3127320118709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.6066663482158

n =  6373
somme des inverses des racines des entiers jusqu a n =  158.2080519248836
2*sqrt(n) =  159.66214329013624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.32510202992196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.61927175269338

n =  6374
somme des inverses des racines des entiers jusqu a n =  158.22057739313348
2*sqrt(n) =  159.6746692496966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.3374710898193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.63187616208523

n =  6375
somme des inverses des racines des entiers jusqu a n =  158.23310187895518
2*sqrt(n) =  159.68719422671313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.34983919178651
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.64447957662645

n =  6376
somme des inverses des racines des entiers jusqu a n =  158.24562538257982
2*sqrt(n) =  159.69971822141704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.362206336047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.65708199655205

n =  6377
somme des inverses des racines des entiers jusqu a n =  158.25814790423843
2*sqrt(n) =  159.71224123403942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.37457252282417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.66968342209705

n =  6378
somme des inverses des racines des entiers jusqu a n =  158.27066944416197
2*sqrt(n) =  159.72476326481126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.38693775234125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.68228385349624

n =  6379
somme des inverses des racines des entiers jusqu a n =  158.2831900025813
2*sqrt(n) =  159.73728431396347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.3993020248215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.69488329098445

n =  6380
somme des inverses des racines des entiers jusqu a n =  158.2957095797272
2*sqrt(n) =  159.74980438172688
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.41166534048804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.7074817347963

n =  6381
somme des inverses des racines des entiers jusqu a n =  158.30822817583035
2*sqrt(n) =  159.76232346833217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.42402769956382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.72007918516633

n =  6382
somme des inverses des racines des entiers jusqu a n =  158.32074579112134
2*sqrt(n) =  159.77484157401003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.43638910227185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.73267564232913

n =  6383
somme des inverses des racines des entiers jusqu a n =  158.33326242583064
2*sqrt(n) =  159.78735869899094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.44874954883488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.74527110651897

n =  6384
somme des inverses des racines des entiers jusqu a n =  158.3457780801887
2*sqrt(n) =  159.79987484350542
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.4611090394758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.75786557797025

n =  6385
somme des inverses des racines des entiers jusqu a n =  158.3582927544258
2*sqrt(n) =  159.81239000778382
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.47346757441719
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.77045905691713

n =  6386
somme des inverses des racines des entiers jusqu a n =  158.37080644877219
2*sqrt(n) =  159.82490419205638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.48582515388165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.78305154359373

n =  6387
somme des inverses des racines des entiers jusqu a n =  158.383319163458
2*sqrt(n) =  159.8374173965533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.49818177809172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.7956430382341

n =  6388
somme des inverses des racines des entiers jusqu a n =  158.39583089871329
2*sqrt(n) =  159.84992962150469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.5105374472698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.80823354107213

n =  6389
somme des inverses des racines des entiers jusqu a n =  158.408341654768
2*sqrt(n) =  159.86244086714052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.5228921616382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.8208230523417

n =  6390
somme des inverses des racines des entiers jusqu a n =  158.42085143185201
2*sqrt(n) =  159.87495113369073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.53524592141915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.8334115722765

n =  6391
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somme des inverses des racines des entiers jusqu a n =  158.4333602301951
2*sqrt(n) =  159.88746042138513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.54759872683485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.84599910111027

n =  6392
somme des inverses des racines des entiers jusqu a n =  158.44586805002695
2*sqrt(n) =  159.89996873045348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.55995057810736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.85858563907652

n =  6393
somme des inverses des racines des entiers jusqu a n =  158.45837489157717
2*sqrt(n) =  159.91247606112537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.57230147545866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.87117118640873

n =  6394
somme des inverses des racines des entiers jusqu a n =  158.47088075507526
2*sqrt(n) =  159.92498241363043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.58465141911066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.88375574334032

n =  6395
somme des inverses des racines des entiers jusqu a n =  158.48338564075064
2*sqrt(n) =  159.93748778819804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.5970004092851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.8963393101045

n =  6396
somme des inverses des racines des entiers jusqu a n =  158.49588954883265
2*sqrt(n) =  159.94999218505765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.60934844620382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.90892188693456

n =  6397
somme des inverses des racines des entiers jusqu a n =  158.5083924795505
2*sqrt(n) =  159.9624956044385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.62169553008835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.92150347406354

n =  6398
somme des inverses des racines des entiers jusqu a n =  158.52089443313338
2*sqrt(n) =  159.97499804656977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.6340416611603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.9340840717245

n =  6399
somme des inverses des racines des entiers jusqu a n =  158.53339540981034
2*sqrt(n) =  159.9874995116806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.64638683964114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.94666368015032

n =  6400
somme des inverses des racines des entiers jusqu a n =  158.54589540981033
2*sqrt(n) =  160.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.65873106575225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.95924229957387

n =  6401
somme des inverses des racines des entiers jusqu a n =  158.55839443336225
2*sqrt(n) =  160.0124995117569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.6710743397149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.9718199302279
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n =  6402
somme des inverses des racines des entiers jusqu a n =  158.5708924806949
2*sqrt(n) =  160.0249980471801
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.6834166617503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.984396572345

n =  6403
somme des inverses des racines des entiers jusqu a n =  158.58338955203698
2*sqrt(n) =  160.03749560649842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.69575803207962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  164.99697222615782

n =  6404
somme des inverses des racines des entiers jusqu a n =  158.59588564761708
2*sqrt(n) =  160.04999218994044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.70809845092384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.00954689189874

n =  6405
somme des inverses des racines des entiers jusqu a n =  158.60838076766373
2*sqrt(n) =  160.0624877977348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.72043791850396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.02212056980022

n =  6406
somme des inverses des racines des entiers jusqu a n =  158.62087491240538
2*sqrt(n) =  160.0749824301099
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.73277643504082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.03469326009446

n =  6407
somme des inverses des racines des entiers jusqu a n =  158.63336808207038
2*sqrt(n) =  160.08747608729422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.7451140007552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.04726496301373

n =  6408
somme des inverses des racines des entiers jusqu a n =  158.64586027688696
2*sqrt(n) =  160.099968769516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.7574506158678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.0598356787901

n =  6409
somme des inverses des racines des entiers jusqu a n =  158.65835149708332
2*sqrt(n) =  160.11246047700348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.76978628059925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.0724054076556

n =  6410
somme des inverses des racines des entiers jusqu a n =  158.67084174288752
2*sqrt(n) =  160.12495120998477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.78212099517006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.08497414984214

n =  6411
somme des inverses des racines des entiers jusqu a n =  158.68333101452757
2*sqrt(n) =  160.13744096868788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.79445475980063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.0975419055815

n =  6412
somme des inverses des racines des entiers jusqu a n =  158.69581931223135
2*sqrt(n) =  160.1499297533408
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.80678757471136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.11010867510552

n =  6413
somme des inverses des racines des entiers jusqu a n =  158.7083066362267
2*sqrt(n) =  160.1624175641714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.81911944012253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.1226744586458

n =  6414
somme des inverses des racines des entiers jusqu a n =  158.72079298674132
2*sqrt(n) =  160.1749044014074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.8314503562543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.13523925643392

n =  6415
somme des inverses des racines des entiers jusqu a n =  158.73327836400284
2*sqrt(n) =  160.1873902652765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.84378032332677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.14780306870136

n =  6416
somme des inverses des racines des entiers jusqu a n =  158.74576276823882
2*sqrt(n) =  160.1998751560063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.85610934155994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.16036589567946

n =  6417
somme des inverses des racines des entiers jusqu a n =  158.7582461996767
2*sqrt(n) =  160.21235907382427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.86843741117377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.17292773759954

n =  6418
somme des inverses des racines des entiers jusqu a n =  158.77072865854387
2*sqrt(n) =  160.22484201895784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.88076453238804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.18548859469274

n =  6419
somme des inverses des racines des entiers jusqu a n =  158.7832101450676
2*sqrt(n) =  160.23732399163436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.8930907054226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.19804846719023

n =  6420
somme des inverses des racines des entiers jusqu a n =  158.7956906594751
2*sqrt(n) =  160.24980499208104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.90541593049704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.21060735532305

n =  6421
somme des inverses des racines des entiers jusqu a n =  158.80817020199345
2*sqrt(n) =  160.262285020525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.91774020783097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.22316525932203

n =  6422
somme des inverses des racines des entiers jusqu a n =  158.82064877284967
2*sqrt(n) =  160.2747640771934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.93006353764395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.23572217941813

n =  6423
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somme des inverses des racines des entiers jusqu a n =  158.83312637227067
2*sqrt(n) =  160.2872421623131
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.94238592015532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.248278115842

n =  6424
somme des inverses des racines des entiers jusqu a n =  158.84560300048332
2*sqrt(n) =  160.29971927611103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.95470735558445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.26083306882433

n =  6425
somme des inverses des racines des entiers jusqu a n =  158.85807865771437
2*sqrt(n) =  160.31219541881399
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.96702784415058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.2733870385957

n =  6426
somme des inverses des racines des entiers jusqu a n =  158.87055334419045
2*sqrt(n) =  160.32467059064865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.97934738607285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.28594002538654

n =  6427
somme des inverses des racines des entiers jusqu a n =  158.88302706013818
2*sqrt(n) =  160.33714479184167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  148.99166598157038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.2984920294273

n =  6428
somme des inverses des racines des entiers jusqu a n =  158.895499805784
2*sqrt(n) =  160.34961802261955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.00398363086217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.31104305094826

n =  6429
somme des inverses des racines des entiers jusqu a n =  158.90797158135433
2*sqrt(n) =  160.36209028320877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.01630033416708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.3235930901796

n =  6430
somme des inverses des racines des entiers jusqu a n =  158.92044238707547
2*sqrt(n) =  160.37456157383565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.02861609170398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.33614214735147

n =  6431
somme des inverses des racines des entiers jusqu a n =  158.93291222317364
2*sqrt(n) =  160.38703189472645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.0409309036916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.34869022269388

n =  6432
somme des inverses des racines des entiers jusqu a n =  158.94538108987499
2*sqrt(n) =  160.39950124610738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.05324477034858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.36123731643679

n =  6433
somme des inverses des racines des entiers jusqu a n =  158.95784898740555
2*sqrt(n) =  160.4119696282045
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.0655576918935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.37378342881
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n =  6434
somme des inverses des racines des entiers jusqu a n =  158.97031591599128
2*sqrt(n) =  160.4244370412438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.07786966854485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.3863285600433

n =  6435
somme des inverses des racines des entiers jusqu a n =  158.98278187585805
2*sqrt(n) =  160.43690348545124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.09018070052102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.39887271036633

n =  6436
somme des inverses des racines des entiers jusqu a n =  158.99524686723166
2*sqrt(n) =  160.44936896105264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.10249078804037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.41141588000878

n =  6437
somme des inverses des racines des entiers jusqu a n =  159.0077108903378
2*sqrt(n) =  160.46183346827368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.11479993132107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.42395806919998

n =  6438
somme des inverses des racines des entiers jusqu a n =  159.02017394540204
2*sqrt(n) =  160.47429700734008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.12710813058135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.43649927816946

n =  6439
somme des inverses des racines des entiers jusqu a n =  159.03263603264995
2*sqrt(n) =  160.48675957847738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.1394153860392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.44903950714647

n =  6440
somme des inverses des racines des entiers jusqu a n =  159.04509715230694
2*sqrt(n) =  160.49922118191103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.15172169791262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.4615787563602

n =  6441
somme des inverses des racines des entiers jusqu a n =  159.05755730459833
2*sqrt(n) =  160.51168181786645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.16402706641955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.4741170260399

n =  6442
somme des inverses des racines des entiers jusqu a n =  159.0700164897494
2*sqrt(n) =  160.52414148656894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.1763314917778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.4866543164145

n =  6443
somme des inverses des racines des entiers jusqu a n =  159.08247470798534
2*sqrt(n) =  160.53660018824368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.18863497420506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.499190627713

n =  6444
somme des inverses des racines des entiers jusqu a n =  159.0949319595312
2*sqrt(n) =  160.5490579231158
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.20093751391894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.51172596016423

n =  6445
somme des inverses des racines des entiers jusqu a n =  159.107388244612
2*sqrt(n) =  160.5615146914104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.2132391111371
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.52426031399705

n =  6446
somme des inverses des racines des entiers jusqu a n =  159.11984356345263
2*sqrt(n) =  160.5739704933524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.22553976607702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.5367936894401

n =  6447
somme des inverses des racines des entiers jusqu a n =  159.1322979162779
2*sqrt(n) =  160.5864253291666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.23783947895598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.5493260867219

n =  6448
somme des inverses des racines des entiers jusqu a n =  159.14475130331257
2*sqrt(n) =  160.59887919907786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.2501382499914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.56185750607108

n =  6449
somme des inverses des racines des entiers jusqu a n =  159.15720372478128
2*sqrt(n) =  160.61133210331082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.26243607940043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.574387947716

n =  6450
somme des inverses des racines des entiers jusqu a n =  159.16965518090856
2*sqrt(n) =  160.6237840420901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.2747329674003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.58691741188503

n =  6451
somme des inverses des racines des entiers jusqu a n =  159.18210567191892
2*sqrt(n) =  160.63623501564024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.287028914208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.59944589880635

n =  6452
somme des inverses des racines des entiers jusqu a n =  159.19455519803674
2*sqrt(n) =  160.64868502418562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.29932392004054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.61197340870817

n =  6453
somme des inverses des racines des entiers jusqu a n =  159.2070037594863
2*sqrt(n) =  160.6611340679506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.31161798511476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.62449994181853

n =  6454
somme des inverses des racines des entiers jusqu a n =  159.21945135649182
2*sqrt(n) =  160.67358214715946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.32391110964755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.6370254983654

n =  6455
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somme des inverses des racines des entiers jusqu a n =  159.2318979892774
2*sqrt(n) =  160.68602926203636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.33620329385562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.64955007857674

n =  6456
somme des inverses des racines des entiers jusqu a n =  159.24434365806712
2*sqrt(n) =  160.69847541280532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.34849453795553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.66207368268022

n =  6457
somme des inverses des racines des entiers jusqu a n =  159.25678836308492
2*sqrt(n) =  160.7109205996904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.36078484216395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.67459631090364

n =  6458
somme des inverses des racines des entiers jusqu a n =  159.26923210455465
2*sqrt(n) =  160.72336482291553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.3730742066973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.68711796347463

n =  6459
somme des inverses des racines des entiers jusqu a n =  159.2816748827001
2*sqrt(n) =  160.73580808270447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.385362631772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.6996386406207

n =  6460
somme des inverses des racines des entiers jusqu a n =  159.29411669774493
2*sqrt(n) =  160.74825037928096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.39765011760431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.71215834256927

n =  6461
somme des inverses des racines des entiers jusqu a n =  159.30655754991278
2*sqrt(n) =  160.76069171286866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.4099366644105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.72467706954774

n =  6462
somme des inverses des racines des entiers jusqu a n =  159.31899743942714
2*sqrt(n) =  160.77313208369114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.4222222724067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.73719482178336

n =  6463
somme des inverses des racines des entiers jusqu a n =  159.33143636651147
2*sqrt(n) =  160.78557149197187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.43450694180896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.7497115995033

n =  6464
somme des inverses des racines des entiers jusqu a n =  159.3438743313891
2*sqrt(n) =  160.79800993793424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.44679067283332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.7622274029347

n =  6465
somme des inverses des racines des entiers jusqu a n =  159.35631133428328
2*sqrt(n) =  160.81044742180154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.45907346569558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.7747422323045
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n =  6466
somme des inverses des racines des entiers jusqu a n =  159.3687473754172
2*sqrt(n) =  160.822883943797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.47135532061162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.7872560878397

n =  6467
somme des inverses des racines des entiers jusqu a n =  159.38118245501394
2*sqrt(n) =  160.83531950414374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.48363623779716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.79976896976703

n =  6468
somme des inverses des racines des entiers jusqu a n =  159.3936165732965
2*sqrt(n) =  160.8477541030648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.49591621746782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.8122808783133

n =  6469
somme des inverses des racines des entiers jusqu a n =  159.40604973048778
2*sqrt(n) =  160.86018774078315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.50819525983917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.82479181370513

n =  6470
somme des inverses des racines des entiers jusqu a n =  159.4184819268106
2*sqrt(n) =  160.87262041752163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.5204733651267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.8373017761691

n =  6471
somme des inverses des racines des entiers jusqu a n =  159.43091316248774
2*sqrt(n) =  160.88505213350308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.53275053354582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.84981076593172

n =  6472
somme des inverses des racines des entiers jusqu a n =  159.44334343774185
2*sqrt(n) =  160.89748288895012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.5450267653118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.86231878321928

n =  6473
somme des inverses des racines des entiers jusqu a n =  159.45577275279547
2*sqrt(n) =  160.90991268408544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.55730206063993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.8748258282582

n =  6474
somme des inverses des racines des entiers jusqu a n =  159.4682011078711
2*sqrt(n) =  160.92234151913152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.56957641974535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.88733190127462

n =  6475
somme des inverses des racines des entiers jusqu a n =  159.48062850319113
2*sqrt(n) =  160.93476939431082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.5818498428431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.89983700249468

n =  6476
somme des inverses des racines des entiers jusqu a n =  159.49305493897788
2*sqrt(n) =  160.94719630984568
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.59412233014817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.91234113214443

n =  6477
somme des inverses des racines des entiers jusqu a n =  159.50548041545355
2*sqrt(n) =  160.95962226595836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.60639388187545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.9248442904498

n =  6478
somme des inverses des racines des entiers jusqu a n =  159.5179049328403
2*sqrt(n) =  160.9720472628711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.6186644982398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.9373464776367

n =  6479
somme des inverses des racines des entiers jusqu a n =  159.5303284913602
2*sqrt(n) =  160.9844713008059
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.63093417945595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.94984769393088

n =  6480
somme des inverses des racines des entiers jusqu a n =  159.5427510912352
2*sqrt(n) =  160.99689437998487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.64320292573854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.96234793955801

n =  6481
somme des inverses des racines des entiers jusqu a n =  159.5551727326872
2*sqrt(n) =  161.00931650062986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.65547073730215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.9748472147437

n =  6482
somme des inverses des racines des entiers jusqu a n =  159.56759341593798
2*sqrt(n) =  161.02173766296275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.66773761436127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.9873455197135

n =  6483
somme des inverses des racines des entiers jusqu a n =  159.58001314120924
2*sqrt(n) =  161.0341578672053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.6800035571303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  165.9998428546928

n =  6484
somme des inverses des racines des entiers jusqu a n =  159.59243190872263
2*sqrt(n) =  161.04657711357916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.6922685658236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.01233921990695

n =  6485
somme des inverses des racines des entiers jusqu a n =  159.60484971869968
2*sqrt(n) =  161.05899540230592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.70453264065537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.0248346155812

n =  6486
somme des inverses des racines des entiers jusqu a n =  159.61726657136185
2*sqrt(n) =  161.07141273360708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.7167957818398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.0373290419407

n =  6487
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somme des inverses des racines des entiers jusqu a n =  159.62968246693052
2*sqrt(n) =  161.08382910770405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.72905798959098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.04982249921056

n =  6488
somme des inverses des racines des entiers jusqu a n =  159.64209740562694
2*sqrt(n) =  161.09624452481813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.7413192641229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.06231498761576

n =  6489
somme des inverses des racines des entiers jusqu a n =  159.65451138767233
2*sqrt(n) =  161.10865898517062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.75357960564946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.0748065073812

n =  6490
somme des inverses des racines des entiers jusqu a n =  159.6669244132878
2*sqrt(n) =  161.12107248898263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.7658390143845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.0872970587317

n =  6491
somme des inverses des racines des entiers jusqu a n =  159.6793364826944
2*sqrt(n) =  161.13348503647526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.7780974905418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.099786641892

n =  6492
somme des inverses des racines des entiers jusqu a n =  159.69174759611306
2*sqrt(n) =  161.1458966278695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.79035503433502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.11227525708674

n =  6493
somme des inverses des racines des entiers jusqu a n =  159.70415775376463
2*sqrt(n) =  161.1583072633862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.80261164597772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.12476290454043

n =  6494
somme des inverses des racines des entiers jusqu a n =  159.7165669558699
2*sqrt(n) =  161.17071694324625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.81486732568345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.13724958447764

n =  6495
somme des inverses des racines des entiers jusqu a n =  159.72897520264954
2*sqrt(n) =  161.1831256676703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.8271220736656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.14973529712265

n =  6496
somme des inverses des racines des entiers jusqu a n =  159.74138249432417
2*sqrt(n) =  161.1955334368791
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.83937589013757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.16222004269983

n =  6497
somme des inverses des racines des entiers jusqu a n =  159.75378883111432
2*sqrt(n) =  161.20794025109308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.85162877531255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.17470382143333
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n =  6498
somme des inverses des racines des entiers jusqu a n =  159.7661942132404
2*sqrt(n) =  161.22034611053283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.86388072940377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.18718663354736

n =  6499
somme des inverses des racines des entiers jusqu a n =  159.77859864092275
2*sqrt(n) =  161.2327510154187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.87613175262436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.19966847926588

n =  6500
somme des inverses des racines des entiers jusqu a n =  159.79100211438168
2*sqrt(n) =  161.24515496597098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.88838184518727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.21214935881284

n =  6501
somme des inverses des racines des entiers jusqu a n =  159.80340463383735
2*sqrt(n) =  161.25755796240995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.9006310073055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.2246292724122

n =  6502
somme des inverses des racines des entiers jusqu a n =  159.81580619950984
2*sqrt(n) =  161.26996000495566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.91287923919182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.23710822028758

n =  6503
somme des inverses des racines des entiers jusqu a n =  159.82820681161917
2*sqrt(n) =  161.28236109382823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.9251265410591
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.2495862026628

n =  6504
somme des inverses des racines des entiers jusqu a n =  159.84060647038527
2*sqrt(n) =  161.29476122924763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.93737291312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.26206321976144

n =  6505
somme des inverses des racines des entiers jusqu a n =  159.85300517602795
2*sqrt(n) =  161.3071604114337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.9496183555871
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.274539271807

n =  6506
somme des inverses des racines des entiers jusqu a n =  159.865402928767
2*sqrt(n) =  161.31955864060626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.96186286867297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.2870143590229

n =  6507
somme des inverses des racines des entiers jusqu a n =  159.87779972882208
2*sqrt(n) =  161.33195591698504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.97410645259006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.29948848163252

n =  6508
somme des inverses des racines des entiers jusqu a n =  159.8901955764128
2*sqrt(n) =  161.34435224078965
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.98634910755072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.3119616398591

n =  6509
somme des inverses des racines des entiers jusqu a n =  159.90259047175863
2*sqrt(n) =  161.35674761223964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  149.99859083376725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.32443383392584

n =  6510
somme des inverses des racines des entiers jusqu a n =  159.91498441507903
2*sqrt(n) =  161.36914203155447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.01083163145188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.33690506405577

n =  6511
somme des inverses des racines des entiers jusqu a n =  159.9273774065933
2*sqrt(n) =  161.38153549895353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.02307150081666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.34937533047196

n =  6512
somme des inverses des racines des entiers jusqu a n =  159.93976944652073
2*sqrt(n) =  161.39392801465613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.03531044207375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.3618446333973

n =  6513
somme des inverses des racines des entiers jusqu a n =  159.95216053508045
2*sqrt(n) =  161.4063195788814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.04754845543502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.3743129730546

n =  6514
somme des inverses des racines des entiers jusqu a n =  159.96455067249155
2*sqrt(n) =  161.4187101918486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.0597855411124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.38678034966668

n =  6515
somme des inverses des racines des entiers jusqu a n =  159.97693985897305
2*sqrt(n) =  161.43109985377663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.0720216993177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.3992467634561

n =  6516
somme des inverses des racines des entiers jusqu a n =  159.98932809474385
2*sqrt(n) =  161.44348856488452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.0842569302626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.4117122146455

n =  6517
somme des inverses des racines des entiers jusqu a n =  160.00171538002277
2*sqrt(n) =  161.45587632539113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.09649123415875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.4241767034573

n =  6518
somme des inverses des racines des entiers jusqu a n =  160.01410171502857
2*sqrt(n) =  161.46826313551526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.10872461121775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.436640230114

n =  6519
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somme des inverses des racines des entiers jusqu a n =  160.0264870999799
2*sqrt(n) =  161.4806489954756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.12095706165107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.44910279483787

n =  6520
somme des inverses des racines des entiers jusqu a n =  160.03887153509535
2*sqrt(n) =  161.4930339054908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.1331885856701
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.46156439785113

n =  6521
somme des inverses des racines des entiers jusqu a n =  160.05125502059343
2*sqrt(n) =  161.50541786577935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.14541918348615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.47402503937596

n =  6522
somme des inverses des racines des entiers jusqu a n =  160.06363755669253
2*sqrt(n) =  161.51780087655973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.15764885531047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.48648471963435

n =  6523
somme des inverses des racines des entiers jusqu a n =  160.07601914361098
2*sqrt(n) =  161.5301829380503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.16987760135422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.49894343884836

n =  6524
somme des inverses des racines des entiers jusqu a n =  160.08839978156703
2*sqrt(n) =  161.54256405046937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.18210542182845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.51140119723982

n =  6525
somme des inverses des racines des entiers jusqu a n =  160.10077947077883
2*sqrt(n) =  161.55494421403512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.19433231694424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.52385799503057

n =  6526
somme des inverses des racines des entiers jusqu a n =  160.11315821146448
2*sqrt(n) =  161.56732342896566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.2065582869124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.5363138324423

n =  6527
somme des inverses des racines des entiers jusqu a n =  160.12553600384194
2*sqrt(n) =  161.57970169547906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.21878333194385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.54876870969667

n =  6528
somme des inverses des racines des entiers jusqu a n =  160.13791284812916
2*sqrt(n) =  161.59207901379324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.2310074522493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.5612226270152

n =  6529
somme des inverses des racines des entiers jusqu a n =  160.15028874454393
2*sqrt(n) =  161.60445538412608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.24323064803946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.5736755846194
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n =  6530
somme des inverses des racines des entiers jusqu a n =  160.162663693304
2*sqrt(n) =  161.6168308066954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.2554529195249
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.58612758273063

n =  6531
somme des inverses des racines des entiers jusqu a n =  160.17503769462706
2*sqrt(n) =  161.6292052817188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.26767426691615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.59857862157014

n =  6532
somme des inverses des racines des entiers jusqu a n =  160.18741074873066
2*sqrt(n) =  161.641578809414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.27989469042365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.61102870135917

n =  6533
somme des inverses des racines des entiers jusqu a n =  160.1997828558323
2*sqrt(n) =  161.6539513899985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.29211419025776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.62347782231888

n =  6534
somme des inverses des racines des entiers jusqu a n =  160.21215401614938
2*sqrt(n) =  161.66632302368976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.30433276662873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.63592598467025

n =  6535
somme des inverses des racines des entiers jusqu a n =  160.22452422989926
2*sqrt(n) =  161.67869371070512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.3165504197468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.64837318863428

n =  6536
somme des inverses des racines des entiers jusqu a n =  160.23689349729915
2*sqrt(n) =  161.6910634512619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.32876714982206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.6608194344318

n =  6537
somme des inverses des racines des entiers jusqu a n =  160.24926181856623
2*sqrt(n) =  161.70343224557726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.34098295706454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.67326472228362

n =  6538
somme des inverses des racines des entiers jusqu a n =  160.26162919391754
2*sqrt(n) =  161.71580009386838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.35319784168422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.68570905241046

n =  6539
somme des inverses des racines des entiers jusqu a n =  160.27399562357013
2*sqrt(n) =  161.72816699635226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.365411803891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.6981524250329

n =  6540
somme des inverses des racines des entiers jusqu a n =  160.28636110774087
2*sqrt(n) =  161.74053295324583
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.37762484389458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.71059484037144

n =  6541
somme des inverses des racines des entiers jusqu a n =  160.2987256466466
2*sqrt(n) =  161.752897964766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.3898369619048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.7230362986466

n =  6542
somme des inverses des racines des entiers jusqu a n =  160.31108924050406
2*sqrt(n) =  161.76526203112954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.4020481581312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.7354768000787

n =  6543
somme des inverses des racines des entiers jusqu a n =  160.32345188952993
2*sqrt(n) =  161.77762515255316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.4142584327834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.747916344888

n =  6544
somme des inverses des racines des entiers jusqu a n =  160.3358135939408
2*sqrt(n) =  161.78998732925348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.4264677860709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.76035493329476

n =  6545
somme des inverses des racines des entiers jusqu a n =  160.34817435395314
2*sqrt(n) =  161.80234856144702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.43867621820303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.772792565519

n =  6546
somme des inverses des racines des entiers jusqu a n =  160.36053416978336
2*sqrt(n) =  161.81470884935027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.45088372938915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.78522924178083

n =  6547
somme des inverses des racines des entiers jusqu a n =  160.3728930416478
2*sqrt(n) =  161.8270681931796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.4630903198385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.79766496230013

n =  6548
somme des inverses des racines des entiers jusqu a n =  160.38525096976275
2*sqrt(n) =  161.83942659315127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.47529598976024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.81009972729677

n =  6549
somme des inverses des racines des entiers jusqu a n =  160.39760795434432
2*sqrt(n) =  161.85178404948152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.48750073936347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.82253353699053

n =  6550
somme des inverses des racines des entiers jusqu a n =  160.40996399560862
2*sqrt(n) =  161.86414056238647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.49970456885717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.8349663916011

n =  6551
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somme des inverses des racines des entiers jusqu a n =  160.42231909377165
2*sqrt(n) =  161.87649613208214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.51190747845027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.84739829134807

n =  6552
somme des inverses des racines des entiers jusqu a n =  160.43467324904933
2*sqrt(n) =  161.88885075878449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.52410946835158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.85982923645093

n =  6553
somme des inverses des racines des entiers jusqu a n =  160.4470264616575
2*sqrt(n) =  161.90120444270946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.53631053876995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.8722592271292

n =  6554
somme des inverses des racines des entiers jusqu a n =  160.4593787318119
2*sqrt(n) =  161.91355718407277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.54851068991402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.88468826360216

n =  6555
somme des inverses des racines des entiers jusqu a n =  160.47173005972823
2*sqrt(n) =  161.92590898309015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.56070992199236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.89711634608904

n =  6556
somme des inverses des racines des entiers jusqu a n =  160.48408044562206
2*sqrt(n) =  161.9382598399773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.5729082352136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.90954347480914

n =  6557
somme des inverses des racines des entiers jusqu a n =  160.4964298897089
2*sqrt(n) =  161.95060975494968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.58510562978606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.9219696499815

n =  6558
somme des inverses des racines des entiers jusqu a n =  160.5087783922042
2*sqrt(n) =  161.9629587282228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.5973021059182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.93439487182508

n =  6559
somme des inverses des racines des entiers jusqu a n =  160.52112595332326
2*sqrt(n) =  161.97530676001205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.6094976638183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.94681914055892

n =  6560
somme des inverses des racines des entiers jusqu a n =  160.5334725732814
2*sqrt(n) =  161.9876538505327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.62169230369457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.95924245640177

n =  6561
somme des inverses des racines des entiers jusqu a n =  160.54581825229374
2*sqrt(n) =  162.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.63388602575512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.97166481957242
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n =  6562
somme des inverses des racines des entiers jusqu a n =  160.55816299057543
2*sqrt(n) =  162.01234520862909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.64607883020804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.9840862302896

n =  6563
somme des inverses des racines des entiers jusqu a n =  160.57050678834145
2*sqrt(n) =  162.02468947663502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.6582707172613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  166.9965066887719

n =  6564
somme des inverses des racines des entiers jusqu a n =  160.58284964580673
2*sqrt(n) =  162.03703280423275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.67046168712278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.00892619523773

n =  6565
somme des inverses des racines des entiers jusqu a n =  160.59519156318615
2*sqrt(n) =  162.04937519163718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.6826517400003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.02134474990564

n =  6566
somme des inverses des racines des entiers jusqu a n =  160.60753254069445
2*sqrt(n) =  162.06171663906315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.6948408761016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.0337623529939

n =  6567
somme des inverses des racines des entiers jusqu a n =  160.61987257854634
2*sqrt(n) =  162.07405714672538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.70702909563443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.04617900472087

n =  6568
somme des inverses des racines des entiers jusqu a n =  160.63221167695642
2*sqrt(n) =  162.0863967148385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.71921639880622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.0585947053046

n =  6569
somme des inverses des racines des entiers jusqu a n =  160.64454983613922
2*sqrt(n) =  162.09873534361705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.73140278582457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.07100945496327

n =  6570
somme des inverses des racines des entiers jusqu a n =  160.6568870563092
2*sqrt(n) =  162.11107303327555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.74358825689689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.08342325391487

n =  6571
somme des inverses des racines des entiers jusqu a n =  160.66922333768068
2*sqrt(n) =  162.1234097840284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.75577281223056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.09583610237735

n =  6572
somme des inverses des racines des entiers jusqu a n =  160.68155868046796
2*sqrt(n) =  162.13574559608995
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.7679564520328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.10824800056852

n =  6573
somme des inverses des racines des entiers jusqu a n =  160.69389308488525
2*sqrt(n) =  162.1480804696744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.78013917651083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.1206589487062

n =  6574
somme des inverses des racines des entiers jusqu a n =  160.70622655114664
2*sqrt(n) =  162.1604144049959
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.79232098587173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.13306894700796

n =  6575
somme des inverses des racines des entiers jusqu a n =  160.71855907946622
2*sqrt(n) =  162.17274740226856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.8045018803226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.14547799569152

n =  6576
somme des inverses des racines des entiers jusqu a n =  160.7308906700579
2*sqrt(n) =  162.18507946170635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.81668186007033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.15788609497434

n =  6577
somme des inverses des racines des entiers jusqu a n =  160.74322132313557
2*sqrt(n) =  162.19741058352318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.82886092532183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.17029324507385

n =  6578
somme des inverses des racines des entiers jusqu a n =  160.755551038913
2*sqrt(n) =  162.2097407679329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.84103907628392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.1826994462074

n =  6579
somme des inverses des racines des entiers jusqu a n =  160.76787981760393
2*sqrt(n) =  162.22207001514928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.8532163131633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.19510469859227

n =  6580
somme des inverses des racines des entiers jusqu a n =  160.78020765942196
2*sqrt(n) =  162.23439832538597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.8653926361666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.20750900244565

n =  6581
somme des inverses des racines des entiers jusqu a n =  160.79253456458068
2*sqrt(n) =  162.24672569885655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.87756804550042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.2199123579846

n =  6582
somme des inverses des racines des entiers jusqu a n =  160.80486053329352
2*sqrt(n) =  162.25905213577454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.88974254137125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.23231476542617

n =  6583
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somme des inverses des racines des entiers jusqu a n =  160.81718556577388
2*sqrt(n) =  162.27137763635335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.90191612398547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.2447162249873

n =  6584
somme des inverses des racines des entiers jusqu a n =  160.82950966223507
2*sqrt(n) =  162.28370220080635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.91408879354944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.2571167368848

n =  6585
somme des inverses des racines des entiers jusqu a n =  160.8418328228903
2*sqrt(n) =  162.29602582934677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.9262605502694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.26951630133547

n =  6586
somme des inverses des racines des entiers jusqu a n =  160.8541550479527
2*sqrt(n) =  162.30834852218786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.93843139435154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.281914918556

n =  6587
somme des inverses des racines des entiers jusqu a n =  160.86647633763536
2*sqrt(n) =  162.32067027954264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.95060132600196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.29431258876298

n =  6588
somme des inverses des racines des entiers jusqu a n =  160.87879669215127
2*sqrt(n) =  162.3329911016242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.9627703454267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.30670931217296

n =  6589
somme des inverses des racines des entiers jusqu a n =  160.8911161117133
2*sqrt(n) =  162.34531098864542
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.97493845283162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.31910508900233

n =  6590
somme des inverses des racines des entiers jusqu a n =  160.9034345965343
2*sqrt(n) =  162.35762994081924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.9871056484227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.33149991946752

n =  6591
somme des inverses des racines des entiers jusqu a n =  160.915752146827
2*sqrt(n) =  162.36994795835835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  150.99927193240563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.3438938037847

n =  6592
somme des inverses des racines des entiers jusqu a n =  160.92806876280406
2*sqrt(n) =  162.3822650414755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.0114373049862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.35628674217014

n =  6593
somme des inverses des racines des entiers jusqu a n =  160.94038444467805
2*sqrt(n) =  162.39458119038332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.02360176637004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.36867873483996
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n =  6594
somme des inverses des racines des entiers jusqu a n =  160.95269919266147
2*sqrt(n) =  162.4068964052943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.03576531676262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.38106978201014

n =  6595
somme des inverses des racines des entiers jusqu a n =  160.96501300696673
2*sqrt(n) =  162.41921068642097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.04792795636956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.39345988389667

n =  6596
somme des inverses des racines des entiers jusqu a n =  160.9773258878062
2*sqrt(n) =  162.43152403397562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.06008968539612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.40584904071537

n =  6597
somme des inverses des racines des entiers jusqu a n =  160.98963783539207
2*sqrt(n) =  162.4438364481706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.07225050404773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.41823725268202

n =  6598
somme des inverses des racines des entiers jusqu a n =  161.00194884993658
2*sqrt(n) =  162.4561479292181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.0844104125296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.43062452001237

n =  6599
somme des inverses des racines des entiers jusqu a n =  161.0142589316518
2*sqrt(n) =  162.4684584773303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.0965694110469
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.443010842922

n =  6600
somme des inverses des racines des entiers jusqu a n =  161.02656808074974
2*sqrt(n) =  162.48076809271922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.1087274998047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.45539622162647

n =  6601
somme des inverses des racines des entiers jusqu a n =  161.03887629744233
2*sqrt(n) =  162.49307677559682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.12088467900804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.4677806563412

n =  6602
somme des inverses des racines des entiers jusqu a n =  161.05118358194144
2*sqrt(n) =  162.50538452617502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.1330409488619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.48016414728158

n =  6603
somme des inverses des racines des entiers jusqu a n =  161.06348993445883
2*sqrt(n) =  162.51769134466562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.14519630957105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.4925466946629

n =  6604
somme des inverses des racines des entiers jusqu a n =  161.0757953552062
2*sqrt(n) =  162.52999723128036
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.15735076134035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.50492829870038

n =  6605
somme des inverses des racines des entiers jusqu a n =  161.08809984439517
2*sqrt(n) =  162.5423021862309
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.16950430437447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.5173089596091

n =  6606
somme des inverses des racines des entiers jusqu a n =  161.10040340223728
2*sqrt(n) =  162.5546062097288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.18165693887806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.52968867760416

n =  6607
somme des inverses des racines des entiers jusqu a n =  161.11270602894396
2*sqrt(n) =  162.56690930198556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.19380866505568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.5420674529005

n =  6608
somme des inverses des racines des entiers jusqu a n =  161.1250077247266
2*sqrt(n) =  162.5792114632126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.2059594831118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.554445285713

n =  6609
somme des inverses des racines des entiers jusqu a n =  161.13730848979648
2*sqrt(n) =  162.59151269362124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.21810939325078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.56682217625647

n =  6610
somme des inverses des racines des entiers jusqu a n =  161.1496083243648
2*sqrt(n) =  162.60381299342276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.23025839567703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.57919812474563

n =  6611
somme des inverses des racines des entiers jusqu a n =  161.16190722864275
2*sqrt(n) =  162.6161123628283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.2424064905947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.59157313139508

n =  6612
somme des inverses des racines des entiers jusqu a n =  161.17420520284134
2*sqrt(n) =  162.628410802049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.25455367820808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.60394719641945

n =  6613
somme des inverses des racines des entiers jusqu a n =  161.18650224717155
2*sqrt(n) =  162.64070831129578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.26669995872112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.6163203200331

n =  6614
somme des inverses des racines des entiers jusqu a n =  161.19879836184427
2*sqrt(n) =  162.6530048907797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.27884533233797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.62869250245058

n =  6615
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somme des inverses des racines des entiers jusqu a n =  161.21109354707033
2*sqrt(n) =  162.6653005407115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.29098979926246
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.64106374388604

n =  6616
somme des inverses des racines des entiers jusqu a n =  161.22338780306046
2*sqrt(n) =  162.67759526130203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.3031333596985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.6534340445538

n =  6617
somme des inverses des racines des entiers jusqu a n =  161.2356811300253
2*sqrt(n) =  162.68988905276197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.3152760138499
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.665803404668

n =  6618
somme des inverses des racines des entiers jusqu a n =  161.24797352817546
2*sqrt(n) =  162.70218191530194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.32741776192037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.6781718244427

n =  6619
somme des inverses des racines des entiers jusqu a n =  161.2602649977214
2*sqrt(n) =  162.71447384913242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.3395586041135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.69053930409189

n =  6620
somme des inverses des racines des entiers jusqu a n =  161.27255553887355
2*sqrt(n) =  162.72676485446394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.3516985406329
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.70290584382946

n =  6621
somme des inverses des racines des entiers jusqu a n =  161.28484515184223
2*sqrt(n) =  162.73905493150684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.363837571682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.71527144386926

n =  6622
somme des inverses des racines des entiers jusqu a n =  161.29713383683773
2*sqrt(n) =  162.75134408047143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.37597569746424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.72763610442502

n =  6623
somme des inverses des racines des entiers jusqu a n =  161.30942159407022
2*sqrt(n) =  162.7636323015679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.3881129181829
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.73999982571038

n =  6624
somme des inverses des racines des entiers jusqu a n =  161.32170842374978
2*sqrt(n) =  162.77591959500643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.40024923404133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.75236260793898

n =  6625
somme des inverses des racines des entiers jusqu a n =  161.33399432608647
2*sqrt(n) =  162.78820596099706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.41238464524264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.76472445132427
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n =  6626
somme des inverses des racines des entiers jusqu a n =  161.3462793012902
2*sqrt(n) =  162.80049139974977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.42451915198993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.77708535607968

n =  6627
somme des inverses des racines des entiers jusqu a n =  161.35856334957083
2*sqrt(n) =  162.81277591147446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.43665275448623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.78944532241857

n =  6628
somme des inverses des racines des entiers jusqu a n =  161.37084647113815
2*sqrt(n) =  162.82505949638096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.44878545293452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.8018043505542

n =  6629
somme des inverses des racines des entiers jusqu a n =  161.38312866620186
2*sqrt(n) =  162.837342154679
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.4609172475376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.81416244069968

n =  6630
somme des inverses des racines des entiers jusqu a n =  161.39540993497158
2*sqrt(n) =  162.84962388657826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.47304813849834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.8265195930682

n =  6631
somme des inverses des racines des entiers jusqu a n =  161.40769027765688
2*sqrt(n) =  162.8619046922883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.48517812601943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.83887580787274

n =  6632
somme des inverses des racines des entiers jusqu a n =  161.4199696944672
2*sqrt(n) =  162.87418457201866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.49730721030355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.85123108532622

n =  6633
somme des inverses des racines des entiers jusqu a n =  161.43224818561194
2*sqrt(n) =  162.88646352597874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.50943539155318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.8635854256415

n =  6634
somme des inverses des racines des entiers jusqu a n =  161.4445257513004
2*sqrt(n) =  162.8987415543779
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.5215626699709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.87593882903138

n =  6635
somme des inverses des racines des entiers jusqu a n =  161.4568023917418
2*sqrt(n) =  162.9110186574254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.53368904575908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.88829129570854

n =  6636
somme des inverses des racines des entiers jusqu a n =  161.46907810714532
2*sqrt(n) =  162.9232948353304
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.54581451912009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.90064282588557

n =  6637
somme des inverses des racines des entiers jusqu a n =  161.48135289772
2*sqrt(n) =  162.9355700883021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.55793909025616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.91299341977503

n =  6638
somme des inverses des racines des entiers jusqu a n =  161.49362676367485
2*sqrt(n) =  162.94784441654943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.5700627593695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.9253430775894

n =  6639
somme des inverses des racines des entiers jusqu a n =  161.50589970521878
2*sqrt(n) =  162.96011782028143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.58218552666227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.937691799541

n =  6640
somme des inverses des racines des entiers jusqu a n =  161.51817172256062
2*sqrt(n) =  162.9723902997069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.59430739233642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.95003958584212

n =  6641
somme des inverses des racines des entiers jusqu a n =  161.53044281590914
2*sqrt(n) =  162.9846618550347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.60642835659397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.96238643670503

n =  6642
somme des inverses des racines des entiers jusqu a n =  161.542712985473
2*sqrt(n) =  162.9969324864735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.6185484196368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.97473235234185

n =  6643
somme des inverses des racines des entiers jusqu a n =  161.55498223146083
2*sqrt(n) =  163.00920219423196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.63066758166673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.9870773329646

n =  6644
somme des inverses des racines des entiers jusqu a n =  161.5672505540811
2*sqrt(n) =  163.02147097851866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.64278584288547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  167.99942137878526

n =  6645
somme des inverses des racines des entiers jusqu a n =  161.57951795354234
2*sqrt(n) =  163.03373883954205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.6549032034947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.0117644900157

n =  6646
somme des inverses des racines des entiers jusqu a n =  161.59178443005283
2*sqrt(n) =  163.04600577751054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.667019663696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.02410666686782

n =  6647
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somme des inverses des racines des entiers jusqu a n =  161.6040499838209
2*sqrt(n) =  163.05827179263247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.67913522369088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.03644790955326

n =  6648
somme des inverses des racines des entiers jusqu a n =  161.61631461505473
2*sqrt(n) =  163.07053688511607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.6912498836808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.0487882182837

n =  6649
somme des inverses des racines des entiers jusqu a n =  161.62857832396247
2*sqrt(n) =  163.0828010551695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.70336364386705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.06112759327073

n =  6650
somme des inverses des racines des entiers jusqu a n =  161.64084111075218
2*sqrt(n) =  163.0950643030009
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.715476504451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.07346603472584

n =  6651
somme des inverses des racines des entiers jusqu a n =  161.6531029756318
2*sqrt(n) =  163.10732662881824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.72758846563383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.08580354286045

n =  6652
somme des inverses des racines des entiers jusqu a n =  161.66536391880928
2*sqrt(n) =  163.11958803282945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.73969952761664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.09814011788586

n =  6653
somme des inverses des racines des entiers jusqu a n =  161.67762394049237
2*sqrt(n) =  163.1318485152424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.75180969060054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.11047576001334

n =  6654
somme des inverses des racines des entiers jusqu a n =  161.68988304088884
2*sqrt(n) =  163.1441080762649
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.76391895478648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.1228104694541

n =  6655
somme des inverses des racines des entiers jusqu a n =  161.70214122020636
2*sqrt(n) =  163.15636671610457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.77602732037536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.13514424641917

n =  6656
somme des inverses des racines des entiers jusqu a n =  161.7143984786525
2*sqrt(n) =  163.1686244349691
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.78813478756805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.1474770911196

n =  6657
somme des inverses des racines des entiers jusqu a n =  161.72665481643477
2*sqrt(n) =  163.18088123306603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.80024135656532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.15980900376638
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n =  6658
somme des inverses des racines des entiers jusqu a n =  161.7389102337606
2*sqrt(n) =  163.19313711060278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.81234702756782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.17213998457026

n =  6659
somme des inverses des racines des entiers jusqu a n =  161.75116473083733
2*sqrt(n) =  163.2053920677868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.82445180077616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.1844700337421

n =  6660
somme des inverses des racines des entiers jusqu a n =  161.76341830787223
2*sqrt(n) =  163.21764610482532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.8365556763909
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.19679915149254

n =  6661
somme des inverses des racines des entiers jusqu a n =  161.7756709650725
2*sqrt(n) =  163.22989922192565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.84865865461248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.20912733803223

n =  6662
somme des inverses des racines des entiers jusqu a n =  161.78792270264523
2*sqrt(n) =  163.24215141929488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.86076073564126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.2214545935717

n =  6663
somme des inverses des racines des entiers jusqu a n =  161.8001735207975
2*sqrt(n) =  163.25440269714014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.8728619196776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.2337809183214

n =  6664
somme des inverses des racines des entiers jusqu a n =  161.81242341973626
2*sqrt(n) =  163.2666530556684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.88496220692173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.24610631249175

n =  6665
somme des inverses des racines des entiers jusqu a n =  161.82467239966837
2*sqrt(n) =  163.2789024950866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.8970615975738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.258430776293

n =  6666
somme des inverses des racines des entiers jusqu a n =  161.83692046080066
2*sqrt(n) =  163.29115101560157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.90916009183388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.2707543099354

n =  6667
somme des inverses des racines des entiers jusqu a n =  161.84916760333982
2*sqrt(n) =  163.30339861742007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.921257689902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.2830769136291

n =  6668
somme des inverses des racines des entiers jusqu a n =  161.86141382749256
2*sqrt(n) =  163.31564530074883
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.93335439197816
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.29539858758417

n =  6669
somme des inverses des racines des entiers jusqu a n =  161.8736591334654
2*sqrt(n) =  163.3278910657944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.9454501982621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.30771933201055

n =  6670
somme des inverses des racines des entiers jusqu a n =  161.88590352146485
2*sqrt(n) =  163.34013591276334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.95754510895367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.32003914711817

n =  6671
somme des inverses des racines des entiers jusqu a n =  161.89814699169733
2*sqrt(n) =  163.3523798418621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.96963912425258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.33235803311686

n =  6672
somme des inverses des racines des entiers jusqu a n =  161.9103895443692
2*sqrt(n) =  163.3646228532971
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.98173224435854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.3446759902164

n =  6673
somme des inverses des racines des entiers jusqu a n =  161.92263117968668
2*sqrt(n) =  163.37686494727458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  151.99382446947098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.35699301862638

n =  6674
somme des inverses des racines des entiers jusqu a n =  161.934871897856
2*sqrt(n) =  163.38910612400082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.0059157997895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.3693091185565

n =  6675
somme des inverses des racines des entiers jusqu a n =  161.94711169908325
2*sqrt(n) =  163.40134638368193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.01800623551347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.38162429021614

n =  6676
somme des inverses des racines des entiers jusqu a n =  161.95935058357446
2*sqrt(n) =  163.41358572652396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.03009577684224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.39393853381483

n =  6677
somme des inverses des racines des entiers jusqu a n =  161.97158855153558
2*sqrt(n) =  163.425824152733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.04218442397513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.40625184956193

n =  6678
somme des inverses des racines des entiers jusqu a n =  161.98382560317248
2*sqrt(n) =  163.43806166251483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.05427217711124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.41856423766663

n =  6679
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somme des inverses des racines des entiers jusqu a n =  161.99606173869097
2*sqrt(n) =  163.45029825607537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.06635903644974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.43087569833818

n =  6680
somme des inverses des racines des entiers jusqu a n =  162.00829695829677
2*sqrt(n) =  163.4625339336204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.0784450021897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.44318623178575

n =  6681
somme des inverses des racines des entiers jusqu a n =  162.02053126219553
2*sqrt(n) =  163.47476869535555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.09053007453008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.4554958382183

n =  6682
somme des inverses des racines des entiers jusqu a n =  162.03276465059284
2*sqrt(n) =  163.48700254148645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.10261425366974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.4678045178448

n =  6683
somme des inverses des racines des entiers jusqu a n =  162.04499712369415
2*sqrt(n) =  163.49923547221866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.1146975398076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.4801122708742

n =  6684
somme des inverses des racines des entiers jusqu a n =  162.05722868170488
2*sqrt(n) =  163.51146748775756
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.12677993314227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.49241909751518

n =  6685
somme des inverses des racines des entiers jusqu a n =  162.0694593248304
2*sqrt(n) =  163.5236985883086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.13886143387256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.5047249979766

n =  6686
somme des inverses des racines des entiers jusqu a n =  162.08168905327597
2*sqrt(n) =  163.53592877407704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.150942042197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.51702997246704

n =  6687
somme des inverses des racines des entiers jusqu a n =  162.09391786724674
2*sqrt(n) =  163.5481580452681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.16302175831413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.5293340211951

n =  6688
somme des inverses des racines des entiers jusqu a n =  162.10614576694786
2*sqrt(n) =  163.56038640208698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.17510058242243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.54163714436925

n =  6689
somme des inverses des racines des entiers jusqu a n =  162.11837275258432
2*sqrt(n) =  163.5726138447387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.1871785147203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.5539393421979
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n =  6690
somme des inverses des racines des entiers jusqu a n =  162.1305988243611
2*sqrt(n) =  163.58484037342825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.19925555540598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.56624061488938

n =  6691
somme des inverses des racines des entiers jusqu a n =  162.1428239824831
2*sqrt(n) =  163.59706598836055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.21133170467775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.57854096265197

n =  6692
somme des inverses des racines des entiers jusqu a n =  162.15504822715508
2*sqrt(n) =  163.60929068974048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.22340696273378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.59084038569384

n =  6693
somme des inverses des racines des entiers jusqu a n =  162.16727155858177
2*sqrt(n) =  163.62151447777276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.2354813297721
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.60313888422309

n =  6694
somme des inverses des racines des entiers jusqu a n =  162.17949397696785
2*sqrt(n) =  163.63373735266208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.2475548059908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.6154364584477

n =  6695
somme des inverses des racines des entiers jusqu a n =  162.19171548251785
2*sqrt(n) =  163.6459593146131
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.25962739158783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.62773310857574

n =  6696
somme des inverses des racines des entiers jusqu a n =  162.2039360754363
2*sqrt(n) =  163.65818036383027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.27169908676098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.64002883481493

n =  6697
somme des inverses des racines des entiers jusqu a n =  162.21615575592762
2*sqrt(n) =  163.67040050051813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.2837698917081
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.65232363737314

n =  6698
somme des inverses des racines des entiers jusqu a n =  162.2283745241961
2*sqrt(n) =  163.682619724881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.29583980662684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.66461751645807

n =  6699
somme des inverses des racines des entiers jusqu a n =  162.2405923804461
2*sqrt(n) =  163.69483803712322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.30790883171497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.67691047227734

n =  6700
somme des inverses des racines des entiers jusqu a n =  162.25280932488172
2*sqrt(n) =  163.707055437449
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.31997696716994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.6892025050385

n =  6701
somme des inverses des racines des entiers jusqu a n =  162.26502535770712
2*sqrt(n) =  163.7192719260625
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.33204421318933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.70149361494907

n =  6702
somme des inverses des racines des entiers jusqu a n =  162.27724047912633
2*sqrt(n) =  163.7314875031678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.34411056997055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.71378380221643

n =  6703
somme des inverses des racines des entiers jusqu a n =  162.28945468934333
2*sqrt(n) =  163.74370216896892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.35617603771098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.7260730670479

n =  6704
somme des inverses des racines des entiers jusqu a n =  162.30166798856197
2*sqrt(n) =  163.75591592366976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.36824061660784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.7383614096507

n =  6705
somme des inverses des racines des entiers jusqu a n =  162.3138803769861
2*sqrt(n) =  163.76812876747417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.3803043068584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.75064883023205

n =  6706
somme des inverses des racines des entiers jusqu a n =  162.32609185481942
2*sqrt(n) =  163.78034070058592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.39236710865976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.762935328999

n =  6707
somme des inverses des racines des entiers jusqu a n =  162.33830242226563
2*sqrt(n) =  163.7925517232087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.40442902220897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.77522090615858

n =  6708
somme des inverses des racines des entiers jusqu a n =  162.35051207952827
2*sqrt(n) =  163.80476183554617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.41649004770306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.78750556191773

n =  6709
somme des inverses des racines des entiers jusqu a n =  162.36272082681086
2*sqrt(n) =  163.8169710378018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.42855018533893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.79978929648325

n =  6710
somme des inverses des racines des entiers jusqu a n =  162.37492866431683
2*sqrt(n) =  163.82917933017916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.44060943531343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.81207211006202

n =  6711
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somme des inverses des racines des entiers jusqu a n =  162.38713559224954
2*sqrt(n) =  163.84138671288156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.45266779782332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.82435400286067

n =  6712
somme des inverses des racines des entiers jusqu a n =  162.39934161081226
2*sqrt(n) =  163.85359318611233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.46472527306528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.83663497508584

n =  6713
somme des inverses des racines des entiers jusqu a n =  162.4115467202082
2*sqrt(n) =  163.86579875007476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.47678186123602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.84891502694413

n =  6714
somme des inverses des racines des entiers jusqu a n =  162.42375092064052
2*sqrt(n) =  163.87800340497196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.48883756253198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.86119415864195

n =  6715
somme des inverses des racines des entiers jusqu a n =  162.43595421231223
2*sqrt(n) =  163.89020715100705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.5008923771497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.8734723703857

n =  6716
somme des inverses des racines des entiers jusqu a n =  162.4481565954263
2*sqrt(n) =  163.90240998838303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.5129463052856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.88574966238173

n =  6717
somme des inverses des racines des entiers jusqu a n =  162.46035807018566
2*sqrt(n) =  163.91461191730284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.52499934713597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.89802603483625

n =  6718
somme des inverses des racines des entiers jusqu a n =  162.47255863679314
2*sqrt(n) =  163.92681293796937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.53705150289713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.91030148795548

n =  6719
somme des inverses des racines des entiers jusqu a n =  162.48475829545146
2*sqrt(n) =  163.93901305058537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.54910277276522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.92257602194545

n =  6720
somme des inverses des racines des entiers jusqu a n =  162.49695704636332
2*sqrt(n) =  163.95121225535357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.56115315693637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.93484963701215

n =  6721
somme des inverses des racines des entiers jusqu a n =  162.50915488973132
2*sqrt(n) =  163.9634105524766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.57320265560665
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.9471223333616
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n =  6722
somme des inverses des racines des entiers jusqu a n =  162.52135182575796
2*sqrt(n) =  163.97560794215707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.58525126897203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.9593941111996

n =  6723
somme des inverses des racines des entiers jusqu a n =  162.53354785464572
2*sqrt(n) =  163.98780442459739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.59729899722836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.9716649707319

n =  6724
somme des inverses des racines des entiers jusqu a n =  162.54574297659693
2*sqrt(n) =  164.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.6093458405715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.98393491216424

n =  6725
somme des inverses des racines des entiers jusqu a n =  162.55793719181392
2*sqrt(n) =  164.01219466856725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.62139179919723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  168.99620393570225

n =  6726
somme des inverses des racines des entiers jusqu a n =  162.57013050049892
2*sqrt(n) =  164.0243884305014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.6334368733012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.0084720415515

n =  6727
somme des inverses des racines des entiers jusqu a n =  162.58232290285406
2*sqrt(n) =  164.0365812860046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.645481063079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.0207392299174

n =  6728
somme des inverses des racines des entiers jusqu a n =  162.59451439908142
2*sqrt(n) =  164.04877323527901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.65752436872623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.0330055010054

n =  6729
somme des inverses des racines des entiers jusqu a n =  162.606704989383
2*sqrt(n) =  164.06096427852665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.66956679043835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.04527085502082

n =  6730
somme des inverses des racines des entiers jusqu a n =  162.6188946739607
2*sqrt(n) =  164.07315441594946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.6816083284107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.05753529216884

n =  6731
somme des inverses des racines des entiers jusqu a n =  162.6310834530164
2*sqrt(n) =  164.08534364774937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.69364898283865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.0697988126547

n =  6732
somme des inverses des racines des entiers jusqu a n =  162.64327132675186
2*sqrt(n) =  164.09753197412812
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.70568875391743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.08206141668347

n =  6733
somme des inverses des racines des entiers jusqu a n =  162.65545829536876
2*sqrt(n) =  164.1097193952875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.71772764184223
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.09432310446013

n =  6734
somme des inverses des racines des entiers jusqu a n =  162.66764435906876
2*sqrt(n) =  164.12190591142914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.72976564680812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.10658387618963

n =  6735
somme des inverses des racines des entiers jusqu a n =  162.67982951805337
2*sqrt(n) =  164.13409152275466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.7418027690102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.1188437320769

n =  6736
somme des inverses des racines des entiers jusqu a n =  162.6920137725241
2*sqrt(n) =  164.14627622946554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.75383900864338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.13110267232662

n =  6737
somme des inverses des racines des entiers jusqu a n =  162.7041971226823
2*sqrt(n) =  164.1584600317632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.76587436590256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.14336069714355

n =  6738
somme des inverses des racines des entiers jusqu a n =  162.71637956872934
2*sqrt(n) =  164.17064292984907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.77790884098258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.15561780673232

n =  6739
somme des inverses des racines des entiers jusqu a n =  162.72856111086645
2*sqrt(n) =  164.18282492392436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.78994243407814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.16787400129746

n =  6740
somme des inverses des racines des entiers jusqu a n =  162.7407417492948
2*sqrt(n) =  164.19500601419034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.801975145384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.18012928104352

n =  6741
somme des inverses des racines des entiers jusqu a n =  162.7529214842155
2*sqrt(n) =  164.2071862008481
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.81400697509466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.19238364617482

n =  6742
somme des inverses des racines des entiers jusqu a n =  162.76510031582959
2*sqrt(n) =  164.21936548409874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.82603792340475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.20463709689574

n =  6743
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somme des inverses des racines des entiers jusqu a n =  162.77727824433796
2*sqrt(n) =  164.23154386414322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.83806799050865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.21688963341052

n =  6744
somme des inverses des racines des entiers jusqu a n =  162.78945526994156
2*sqrt(n) =  164.24372134118246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.85009717660077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.2291412559233

n =  6745
somme des inverses des racines des entiers jusqu a n =  162.80163139284113
2*sqrt(n) =  164.25589791541734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.8621254818755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.24139196463827

n =  6746
somme des inverses des racines des entiers jusqu a n =  162.81380661323743
2*sqrt(n) =  164.26807358704855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.87415290652694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.25364175975935

n =  6747
somme des inverses des racines des entiers jusqu a n =  162.82598093133112
2*sqrt(n) =  164.28024835627684
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.8861794507494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.26589064149056

n =  6748
somme des inverses des racines des entiers jusqu a n =  162.83815434732276
2*sqrt(n) =  164.2924222233028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.89820511473692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.2781386100357

n =  6749
somme des inverses des racines des entiers jusqu a n =  162.85032686141287
2*sqrt(n) =  164.30459518832697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.91022989868358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.29038566559868

n =  6750
somme des inverses des racines des entiers jusqu a n =  162.86249847380188
2*sqrt(n) =  164.31676725154983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.92225380278327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.30263180838313

n =  6751
somme des inverses des racines des entiers jusqu a n =  162.87466918469013
2*sqrt(n) =  164.32893841317176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.9342768272299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.3148770385927

n =  6752
somme des inverses des racines des entiers jusqu a n =  162.88683899427792
2*sqrt(n) =  164.3411086733931
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.94629897221733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.327121356431

n =  6753
somme des inverses des racines des entiers jusqu a n =  162.89900790276545
2*sqrt(n) =  164.35327803241407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.95832023793923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.3393647621015
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n =  6754
somme des inverses des racines des entiers jusqu a n =  162.91117591035282
2*sqrt(n) =  164.36544649043483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.9703406245893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.35160725580758

n =  6755
somme des inverses des racines des entiers jusqu a n =  162.92334301724014
2*sqrt(n) =  164.37761404765553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.98236013236124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.36384883775267

n =  6756
somme des inverses des racines des entiers jusqu a n =  162.93550922362738
2*sqrt(n) =  164.38978070427615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  152.99437876144847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.37608950813998

n =  6757
somme des inverses des racines des entiers jusqu a n =  162.94767452971445
2*sqrt(n) =  164.40194646049662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.00639651204446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.3883292671727

n =  6758
somme des inverses des racines des entiers jusqu a n =  162.95983893570116
2*sqrt(n) =  164.41411131651688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.01841338434264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.400568115054

n =  6759
somme des inverses des racines des entiers jusqu a n =  162.9720024417873
2*sqrt(n) =  164.42627527253666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.0304293785363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.41280605198682

n =  6760
somme des inverses des racines des entiers jusqu a n =  162.98416504817257
2*sqrt(n) =  164.43843832875572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.0424444948187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.4250430781742

n =  6761
somme des inverses des racines des entiers jusqu a n =  162.99632675505657
2*sqrt(n) =  164.4506004853737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.05445873338303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.43727919381905

n =  6762
somme des inverses des racines des entiers jusqu a n =  163.00848756263883
2*sqrt(n) =  164.46276174259023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.0664720944224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.44951439912415

n =  6763
somme des inverses des racines des entiers jusqu a n =  163.02064747111885
2*sqrt(n) =  164.47492210060474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.0784845781298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.4617486942922

n =  6764
somme des inverses des racines des entiers jusqu a n =  163.032806480696
2*sqrt(n) =  164.4870815596167
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.09049618469825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.47398207952594

n =  6765
somme des inverses des racines des entiers jusqu a n =  163.0449645915696
2*sqrt(n) =  164.4992401198255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.1025069143206
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.4862145550279

n =  6766
somme des inverses des racines des entiers jusqu a n =  163.0571218039389
2*sqrt(n) =  164.51139778143033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.11451676718968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.49844612100065

n =  6767
somme des inverses des racines des entiers jusqu a n =  163.0692781180031
2*sqrt(n) =  164.52355454463049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.12652574349826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.51067677764658

n =  6768
somme des inverses des racines des entiers jusqu a n =  163.08143353396125
2*sqrt(n) =  164.53571040962507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.138533843439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.52290652516808

n =  6769
somme des inverses des racines des entiers jusqu a n =  163.0935880520124
2*sqrt(n) =  164.54786537661315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.15054106720453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.53513536376744

n =  6770
somme des inverses des racines des entiers jusqu a n =  163.10574167235552
2*sqrt(n) =  164.5600194457937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.1625474149874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.54736329364687

n =  6771
somme des inverses des racines des entiers jusqu a n =  163.11789439518947
2*sqrt(n) =  164.57217261736565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.17455288698002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.55959031500848

n =  6772
somme des inverses des racines des entiers jusqu a n =  163.13004622071307
2*sqrt(n) =  164.58432489152787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.18655748337486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.57181642805438

n =  6773
somme des inverses des racines des entiers jusqu a n =  163.14219714912502
2*sqrt(n) =  164.59647626847908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.19856120436418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.58404163298653

n =  6774
somme des inverses des racines des entiers jusqu a n =  163.15434718062403
2*sqrt(n) =  164.60862674841803
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.2105640501403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.5962659300069

n =  6775
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somme des inverses des racines des entiers jusqu a n =  163.16649631540864
2*sqrt(n) =  164.62077633154328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.22256602089539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.60848931931724

n =  6776
somme des inverses des racines des entiers jusqu a n =  163.17864455367737
2*sqrt(n) =  164.6329250180534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.23456711682152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.62071180111934

n =  6777
somme des inverses des racines des entiers jusqu a n =  163.19079189562868
2*sqrt(n) =  164.64507280814692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.24656733811082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.63293337561498

n =  6778
somme des inverses des racines des entiers jusqu a n =  163.20293834146094
2*sqrt(n) =  164.6572197020222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.25856668495518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.64515404300568

n =  6779
somme des inverses des racines des entiers jusqu a n =  163.21508389137242
2*sqrt(n) =  164.66936569987752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.27056515754657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.657373803493

n =  6780
somme des inverses des racines des entiers jusqu a n =  163.22722854556136
2*sqrt(n) =  164.6815108019112
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.28256275607677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.66959265727843

n =  6781
somme des inverses des racines des entiers jusqu a n =  163.2393723042259
2*sqrt(n) =  164.69365500832143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.2945594807376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.68181060456334

n =  6782
somme des inverses des racines des entiers jusqu a n =  163.2515151675641
2*sqrt(n) =  164.7057983193063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.30655533172072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.69402764554908

n =  6783
somme des inverses des racines des entiers jusqu a n =  163.26365713577397
2*sqrt(n) =  164.71794073506382
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.31855030921776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.70624378043686

n =  6784
somme des inverses des racines des entiers jusqu a n =  163.27579820905345
2*sqrt(n) =  164.730082255792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.33054441342028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.71845900942787

n =  6785
somme des inverses des racines des entiers jusqu a n =  163.28793838760038
2*sqrt(n) =  164.74222288168872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.34253764451975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.7306733327232
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n =  6786
somme des inverses des racines des entiers jusqu a n =  163.30007767161254
2*sqrt(n) =  164.75436261295178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.3545300027076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.74288675052387

n =  6787
somme des inverses des racines des entiers jusqu a n =  163.31221606128764
2*sqrt(n) =  164.76650144977893
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.36652148817518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.75509926303081

n =  6788
somme des inverses des racines des entiers jusqu a n =  163.32435355682333
2*sqrt(n) =  164.77863939236784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.37851210111373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.7673108704449

n =  6789
somme des inverses des racines des entiers jusqu a n =  163.33649015841715
2*sqrt(n) =  164.79077644091615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.3905018417145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.77952157296696

n =  6790
somme des inverses des racines des entiers jusqu a n =  163.34862586626662
2*sqrt(n) =  164.8029125956213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.40249071016856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.79173137079766

n =  6791
somme des inverses des racines des entiers jusqu a n =  163.36076068056911
2*sqrt(n) =  164.81504785668085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.41447870666707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.80394026413774

n =  6792
somme des inverses des racines des entiers jusqu a n =  163.37289460152203
2*sqrt(n) =  164.82718222429213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.42646583140095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.81614825318772

n =  6793
somme des inverses des racines des entiers jusqu a n =  163.38502762932262
2*sqrt(n) =  164.83931569865243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.43845208456113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.82835533814807

n =  6794
somme des inverses des racines des entiers jusqu a n =  163.39715976416807
2*sqrt(n) =  164.85144827995902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.45043746633849
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.84056151921928

n =  6795
somme des inverses des racines des entiers jusqu a n =  163.4092910062555
2*sqrt(n) =  164.86357996840903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.4624219769238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.85276679660166

n =  6796
somme des inverses des racines des entiers jusqu a n =  163.421421355782
2*sqrt(n) =  164.8757107641996
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.47440561650777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.8649711704955

n =  6797
somme des inverses des racines des entiers jusqu a n =  163.43355081294453
2*sqrt(n) =  164.88784066752768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.48638838528106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.877174641101

n =  6798
somme des inverses des racines des entiers jusqu a n =  163.44567937794002
2*sqrt(n) =  164.8999696785903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.49837028343424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.88937720861833

n =  6799
somme des inverses des racines des entiers jusqu a n =  163.4578070509653
2*sqrt(n) =  164.91209779758427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.51035131115782
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.9015788732475

n =  6800
somme des inverses des racines des entiers jusqu a n =  163.46993383221712
2*sqrt(n) =  164.92422502470643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.52233146864225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.91377963518852

n =  6801
somme des inverses des racines des entiers jusqu a n =  163.48205972189217
2*sqrt(n) =  164.93635136015348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.53431075607784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.9259794946413

n =  6802
somme des inverses des racines des entiers jusqu a n =  163.4941847201871
2*sqrt(n) =  164.9484768041221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.54628917365497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.93817845180567

n =  6803
somme des inverses des racines des entiers jusqu a n =  163.50630882729843
2*sqrt(n) =  164.96060135680884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.55826672156377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.95037650688135

n =  6804
somme des inverses des racines des entiers jusqu a n =  163.51843204342265
2*sqrt(n) =  164.97272501841024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.5702433999945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.9625736600681

n =  6805
somme des inverses des racines des entiers jusqu a n =  163.53055436875616
2*sqrt(n) =  164.98484778912274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.58221920913718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.97476991156552

n =  6806
somme des inverses des racines des entiers jusqu a n =  163.54267580349529
2*sqrt(n) =  164.99696966914271
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.59419414918187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.98696526157315

n =  6807
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somme des inverses des racines des entiers jusqu a n =  163.55479634783632
2*sqrt(n) =  165.00909065866645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.6061682203185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  169.99915971029043

n =  6808
somme des inverses des racines des entiers jusqu a n =  163.56691600197541
2*sqrt(n) =  165.02121075789015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.61814142273693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.01135325791674

n =  6809
somme des inverses des racines des entiers jusqu a n =  163.5790347661087
2*sqrt(n) =  165.03332996701
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.63011375662703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.02354590465146

n =  6810
somme des inverses des racines des entiers jusqu a n =  163.5911526404322
2*sqrt(n) =  165.04544828622207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.6420852221785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.03573765069385

n =  6811
somme des inverses des racines des entiers jusqu a n =  163.6032696251419
2*sqrt(n) =  165.05756571572235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.65405581958103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.047928496243

n =  6812
somme des inverses des racines des entiers jusqu a n =  163.61538572043372
2*sqrt(n) =  165.0696822557068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.66602554902423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.06011844149808

n =  6813
somme des inverses des racines des entiers jusqu a n =  163.62750092650347
2*sqrt(n) =  165.08179790637126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.6779944106976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.0723074866581

n =  6814
somme des inverses des racines des entiers jusqu a n =  163.6396152435469
2*sqrt(n) =  165.09391266791152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.6899624047906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.08449563192198

n =  6815
somme des inverses des racines des entiers jusqu a n =  163.6517286717597
2*sqrt(n) =  165.10602654052335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.7019295314927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.09668287748866

n =  6816
somme des inverses des racines des entiers jusqu a n =  163.6638412113375
2*sqrt(n) =  165.11813952440235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.7138957909932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.10886922355692

n =  6817
somme des inverses des racines des entiers jusqu a n =  163.6759528624758
2*sqrt(n) =  165.13025161974412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.72586118348133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.1210546703255
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n =  6818
somme des inverses des racines des entiers jusqu a n =  163.68806362537012
2*sqrt(n) =  165.14236282674412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.73782570914628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.13323921799304

n =  6819
somme des inverses des racines des entiers jusqu a n =  163.7001735002158
2*sqrt(n) =  165.15447314559785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.7497893681772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.14542286675817

n =  6820
somme des inverses des racines des entiers jusqu a n =  163.71228248720823
2*sqrt(n) =  165.16658257650062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.7617521607631
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.15760561681935

n =  6821
somme des inverses des racines des entiers jusqu a n =  163.7243905865426
2*sqrt(n) =  165.17869111964777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.77371408709305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.16978746837512

n =  6822
somme des inverses des racines des entiers jusqu a n =  163.73649779841412
2*sqrt(n) =  165.19079877523444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.78567514735585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.18196842162374

n =  6823
somme des inverses des racines des entiers jusqu a n =  163.7486041230179
2*sqrt(n) =  165.20290554345587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.79763534174046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.1941484767636

n =  6824
somme des inverses des racines des entiers jusqu a n =  163.760709560549
2*sqrt(n) =  165.21501142450705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.80959467043556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.2063276339928

n =  6825
somme des inverses des racines des entiers jusqu a n =  163.77281411120236
2*sqrt(n) =  165.22711641858305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.8215531336299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.21850589350962

n =  6826
somme des inverses des racines des entiers jusqu a n =  163.78491777517291
2*sqrt(n) =  165.23922052587878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.83351073151212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.2306832555121

n =  6827
somme des inverses des racines des entiers jusqu a n =  163.79702055265545
2*sqrt(n) =  165.2513237465891
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.84546746427083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.24285972019823

n =  6828
somme des inverses des racines des entiers jusqu a n =  163.80912244384473
2*sqrt(n) =  165.26342608090877
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.85742333209444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.25503528776593

n =  6829
somme des inverses des racines des entiers jusqu a n =  163.82122344893546
2*sqrt(n) =  165.27552752903256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.86937833517146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.2672099584131

n =  6830
somme des inverses des racines des entiers jusqu a n =  163.8333235681222
2*sqrt(n) =  165.28762809115509
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.88133247369026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.2793837323375

n =  6831
somme des inverses des racines des entiers jusqu a n =  163.84542280159957
2*sqrt(n) =  165.29972776747093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.8932857478391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.29155660973686

n =  6832
somme des inverses des racines des entiers jusqu a n =  163.85752114956196
2*sqrt(n) =  165.3118265581746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.9052381578062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.3037285908088

n =  6833
somme des inverses des racines des entiers jusqu a n =  163.8696186122038
2*sqrt(n) =  165.32392446346051
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.91718970377974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.3158996757509

n =  6834
somme des inverses des racines des entiers jusqu a n =  163.88171518971942
2*sqrt(n) =  165.33602148352307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.92914038594785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.3280698647607

n =  6835
somme des inverses des racines des entiers jusqu a n =  163.89381088230306
2*sqrt(n) =  165.34811761855653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.9410902044985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.34023915803556

n =  6836
somme des inverses des racines des entiers jusqu a n =  163.90590569014893
2*sqrt(n) =  165.3602128687551
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.9530391596196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.35240755577283

n =  6837
somme des inverses des racines des entiers jusqu a n =  163.91799961345112
2*sqrt(n) =  165.37230723431296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.96498725149917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.36457505816986

n =  6838
somme des inverses des racines des entiers jusqu a n =  163.9300926524037
2*sqrt(n) =  165.3844007154242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.97693448032496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.37674166542382

n =  6839
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somme des inverses des racines des entiers jusqu a n =  163.94218480720062
2*sqrt(n) =  165.3964933122828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  153.9888808462847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.38890737773184

n =  6840
somme des inverses des racines des entiers jusqu a n =  163.95427607803578
2*sqrt(n) =  165.40858502508266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.00082634956607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.40107219529096

n =  6841
somme des inverses des racines des entiers jusqu a n =  163.96636646510302
2*sqrt(n) =  165.42067585401773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.01277099035673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.41323611829822

n =  6842
somme des inverses des racines des entiers jusqu a n =  163.9784559685961
2*sqrt(n) =  165.43276579928173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.02471476884418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.4253991469505

n =  6843
somme des inverses des racines des entiers jusqu a n =  163.9905445887087
2*sqrt(n) =  165.44485486106845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.03665768521597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.4375612814447

n =  6844
somme des inverses des racines des entiers jusqu a n =  164.00263232563444
2*sqrt(n) =  165.45694303957148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.0485997396594
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.44972252197752

n =  6845
somme des inverses des racines des entiers jusqu a n =  164.01471917956687
2*sqrt(n) =  165.46903033498444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.0605409323619
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.4618828687457

n =  6846
somme des inverses des racines des entiers jusqu a n =  164.02680515069946
2*sqrt(n) =  165.48111674750083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.0724812635107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.4740423219459

n =  6847
somme des inverses des racines des entiers jusqu a n =  164.03889023922562
2*sqrt(n) =  165.4932022773141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.08442073329306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.48620088177464

n =  6848
somme des inverses des racines des entiers jusqu a n =  164.05097444533868
2*sqrt(n) =  165.50528692461762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.09635934189606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.4983585484284

n =  6849
somme des inverses des racines des entiers jusqu a n =  164.06305776923193
2*sqrt(n) =  165.51737068960466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.10829708950675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.5105153221036
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n =  6850
somme des inverses des racines des entiers jusqu a n =  164.07514021109853
2*sqrt(n) =  165.5294535724685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.12023397631222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.52267120299663

n =  6851
somme des inverses des racines des entiers jusqu a n =  164.08722177113162
2*sqrt(n) =  165.54153557340223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.13217000249932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.53482619130367

n =  6852
somme des inverses des racines des entiers jusqu a n =  164.09930244952426
2*sqrt(n) =  165.553616692599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.144105168255
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.546980287221

n =  6853
somme des inverses des racines des entiers jusqu a n =  164.11138224646942
2*sqrt(n) =  165.56569693025182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.156039473766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.55913349094473

n =  6854
somme des inverses des racines des entiers jusqu a n =  164.12346116216
2*sqrt(n) =  165.57777628655361
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.16797291921907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.5712858026709

n =  6855
somme des inverses des racines des entiers jusqu a n =  164.13553919678887
2*sqrt(n) =  165.58985476169727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.17990550480084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.58343722259548

n =  6856
somme des inverses des racines des entiers jusqu a n =  164.1476163505488
2*sqrt(n) =  165.60193235587562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.191837230698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.59558775091443

n =  6857
somme des inverses des racines des entiers jusqu a n =  164.15969262363245
2*sqrt(n) =  165.61400906928134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.20376809709697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.6077373878235

n =  6858
somme des inverses des racines des entiers jusqu a n =  164.17176801623248
2*sqrt(n) =  165.62608490210712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.21569810418427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.61988613351855

n =  6859
somme des inverses des racines des entiers jusqu a n =  164.18384252854145
2*sqrt(n) =  165.6381598545456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.22762725214628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.63203398819525

n =  6860
somme des inverses des racines des entiers jusqu a n =  164.19591616075186
2*sqrt(n) =  165.65023392678924
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.23955554116932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.6441809520492

n =  6861
somme des inverses des racines des entiers jusqu a n =  164.2079889130561
2*sqrt(n) =  165.66230711903054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.25148297143966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.65632702527597

n =  6862
somme des inverses des racines des entiers jusqu a n =  164.22006078564658
2*sqrt(n) =  165.6743794314619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.2634095431435
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.66847220807108

n =  6863
somme des inverses des racines des entiers jusqu a n =  164.2321317787155
2*sqrt(n) =  165.68645086427557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.27533525646695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.6806165006299

n =  6864
somme des inverses des racines des entiers jusqu a n =  164.24420189245515
2*sqrt(n) =  165.69852141766384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.28726011159605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.69275990314773

n =  6865
somme des inverses des racines des entiers jusqu a n =  164.2562711270576
2*sqrt(n) =  165.71059109181888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.29918410871682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.7049024158199

n =  6866
somme des inverses des racines des entiers jusqu a n =  164.26833948271496
2*sqrt(n) =  165.72265988693277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.31110724801513
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.71704403884158

n =  6867
somme des inverses des racines des entiers jusqu a n =  164.28040695961923
2*sqrt(n) =  165.73472780319761
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.32302952967694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.72918477240796

n =  6868
somme des inverses des racines des entiers jusqu a n =  164.29247355796232
2*sqrt(n) =  165.74679484080528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.33495095388793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.74132461671397

n =  6869
somme des inverses des racines des entiers jusqu a n =  164.30453927793613
2*sqrt(n) =  165.75886099994776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.34687152083387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.75346357195468

n =  6870
somme des inverses des racines des entiers jusqu a n =  164.3166041197324
2*sqrt(n) =  165.7709262808168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.35879123070043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.765601638325

n =  6871
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somme des inverses des racines des entiers jusqu a n =  164.32866808354288
2*sqrt(n) =  165.7829906836042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.37071008367312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.77773881601973

n =  6872
somme des inverses des racines des entiers jusqu a n =  164.3407311695592
2*sqrt(n) =  165.79505420850165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.38262807993758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.7898751052337

n =  6873
somme des inverses des racines des entiers jusqu a n =  164.35279337797297
2*sqrt(n) =  165.80711685570074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.39454521967915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.80201050616154

n =  6874
somme des inverses des racines des entiers jusqu a n =  164.36485470897568
2*sqrt(n) =  165.81917862539302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.40646150308325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.81414501899792

n =  6875
somme des inverses des racines des entiers jusqu a n =  164.3769151627588
2*sqrt(n) =  165.83123951777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.41837693033523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.82627864393737

n =  6876
somme des inverses des racines des entiers jusqu a n =  164.38897473951366
2*sqrt(n) =  165.84329953302304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.4302915016203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.8384113811744

n =  6877
somme des inverses des racines des entiers jusqu a n =  164.4010334394316
2*sqrt(n) =  165.8553586713435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.44220521712367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.8505432309034

n =  6878
somme des inverses des racines des entiers jusqu a n =  164.41309126270383
2*sqrt(n) =  165.86741693292265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.45411807703044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.86267419331875

n =  6879
somme des inverses des racines des entiers jusqu a n =  164.42514820952152
2*sqrt(n) =  165.87947431795172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.4660300815257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.87480426861472

n =  6880
somme des inverses des racines des entiers jusqu a n =  164.43720428007578
2*sqrt(n) =  165.89153082662176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.47794123079439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.88693345698545

n =  6881
somme des inverses des racines des entiers jusqu a n =  164.4492594745576
2*sqrt(n) =  165.90358645912391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.48985152502144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.89906175862515
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n =  6882
somme des inverses des racines des entiers jusqu a n =  164.46131379315798
2*sqrt(n) =  165.91564121564912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.5017609643917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.91118917372782

n =  6883
somme des inverses des racines des entiers jusqu a n =  164.4733672360678
2*sqrt(n) =  165.9276950963883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.51366954908994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.92331570248749

n =  6884
somme des inverses des racines des entiers jusqu a n =  164.48541980347784
2*sqrt(n) =  165.93974810153233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.5255772793009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.93544134509804

n =  6885
somme des inverses des racines des entiers jusqu a n =  164.49747149557888
2*sqrt(n) =  165.95180023127196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.5374841552092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.94756610175332

n =  6886
somme des inverses des racines des entiers jusqu a n =  164.5095223125616
2*sqrt(n) =  165.96385148579796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.5493901769995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.9596899726472

n =  6887
somme des inverses des racines des entiers jusqu a n =  164.52157225461656
2*sqrt(n) =  165.97590186530093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.56129534485623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.97181295797327

n =  6888
somme des inverses des racines des entiers jusqu a n =  164.53362132193436
2*sqrt(n) =  165.98795136997143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.57319965896386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.9839350579252

n =  6889
somme des inverses des racines des entiers jusqu a n =  164.54566951470545
2*sqrt(n) =  166.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.5851031195068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  170.9960562726966

n =  6890
somme des inverses des racines des entiers jusqu a n =  164.55771683312022
2*sqrt(n) =  166.01204775557707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.59700572666938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.00817660248092

n =  6891
somme des inverses des racines des entiers jusqu a n =  164.56976327736902
2*sqrt(n) =  166.02409463689298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.60890748063576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.0202960474716

n =  6892
somme des inverses des racines des entiers jusqu a n =  164.5818088476421
2*sqrt(n) =  166.03614064413807
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.62080838159025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.03241460786197

n =  6893
somme des inverses des racines des entiers jusqu a n =  164.59385354412964
2*sqrt(n) =  166.04818577750254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.6327084297169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.04453228384537

n =  6894
somme des inverses des racines des entiers jusqu a n =  164.6058973670218
2*sqrt(n) =  166.06023003717658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.64460762519977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.05664907561498

n =  6895
somme des inverses des racines des entiers jusqu a n =  164.61794031650865
2*sqrt(n) =  166.07227342335023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.65650596822283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.06876498336393

n =  6896
somme des inverses des racines des entiers jusqu a n =  164.62998239278014
2*sqrt(n) =  166.08431593621356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.66840345897003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.08088000728532

n =  6897
somme des inverses des racines des entiers jusqu a n =  164.64202359602618
2*sqrt(n) =  166.0963575759565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.6803000976252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.09299414757214

n =  6898
somme des inverses des racines des entiers jusqu a n =  164.65406392643663
2*sqrt(n) =  166.10839834276894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.69219588437215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.1051074044173

n =  6899
somme des inverses des racines des entiers jusqu a n =  164.6661033842013
2*sqrt(n) =  166.12043823684067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.70409081939457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.11721977801372

n =  6900
somme des inverses des racines des entiers jusqu a n =  164.67814196950988
2*sqrt(n) =  166.1324772583615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.71598490287613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.12933126855415

n =  6901
somme des inverses des racines des entiers jusqu a n =  164.690179682552
2*sqrt(n) =  166.14451540752106
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.72787813500045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.14144187623134

n =  6902
somme des inverses des racines des entiers jusqu a n =  164.70221652351728
2*sqrt(n) =  166.15655268450897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.73977051595102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.15355160123795

n =  6903
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somme des inverses des racines des entiers jusqu a n =  164.7142524925952
2*sqrt(n) =  166.16858908951474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.75166204591127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.16566044376648

n =  6904
somme des inverses des racines des entiers jusqu a n =  164.72628758997516
2*sqrt(n) =  166.18062462272792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.76355272506467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.17776840400956

n =  6905
somme des inverses des racines des entiers jusqu a n =  164.73832181584658
2*sqrt(n) =  166.19265928433782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.77544255359444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.18987548215952

n =  6906
somme des inverses des racines des entiers jusqu a n =  164.75035517039873
2*sqrt(n) =  166.20469307453385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.78733153168392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.20198167840883

n =  6907
somme des inverses des racines des entiers jusqu a n =  164.76238765382087
2*sqrt(n) =  166.21672599350524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.79921965951627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.21408699294972

n =  6908
somme des inverses des racines des entiers jusqu a n =  164.77441926630215
2*sqrt(n) =  166.22875804144118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.81110693727462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.22619142597446

n =  6909
somme des inverses des racines des entiers jusqu a n =  164.78645000803166
2*sqrt(n) =  166.24078921853084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.82299336514205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.23829497767522

n =  6910
somme des inverses des racines des entiers jusqu a n =  164.79847987919845
2*sqrt(n) =  166.25281952496326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.83487894330153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.2503976482441

n =  6911
somme des inverses des racines des entiers jusqu a n =  164.81050887999146
2*sqrt(n) =  166.2648489609274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.846763671936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.2624994378731

n =  6912
somme des inverses des racines des entiers jusqu a n =  164.82253701059958
2*sqrt(n) =  166.27687752661222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.85864755122833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.27460034675417

n =  6913
somme des inverses des racines des entiers jusqu a n =  164.83456427121163
2*sqrt(n) =  166.28890522220658
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.87053058136132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.28670037507922
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n =  6914
somme des inverses des racines des entiers jusqu a n =  164.84659066201638
2*sqrt(n) =  166.30093204789924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.88241276251767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.29879952304003

n =  6915
somme des inverses des racines des entiers jusqu a n =  164.85861618320249
2*sqrt(n) =  166.31295800387895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.89429409488008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.31089779082836

n =  6916
somme des inverses des racines des entiers jusqu a n =  164.87064083495858
2*sqrt(n) =  166.3249830903343
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.90617457863112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.3229951786359

n =  6917
somme des inverses des racines des entiers jusqu a n =  164.8826646174732
2*sqrt(n) =  166.33700730745397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.91805421395338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.33509168665427

n =  6918
somme des inverses des racines des entiers jusqu a n =  164.89468753093487
2*sqrt(n) =  166.34903065542642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.9299330010293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.34718731507496

n =  6919
somme des inverses des racines des entiers jusqu a n =  164.90670957553195
2*sqrt(n) =  166.36105313444008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.94181094004128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.35928206408948

n =  6920
somme des inverses des racines des entiers jusqu a n =  164.9187307514528
2*sqrt(n) =  166.37307474468338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.95368803117168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.37137593388923

n =  6921
somme des inverses des racines des entiers jusqu a n =  164.93075105888573
2*sqrt(n) =  166.38509548634457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.9655642746027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.3834689246655

n =  6922
somme des inverses des racines des entiers jusqu a n =  164.94277049801892
2*sqrt(n) =  166.39711535961192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.97743967051662
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.39556103660956

n =  6923
somme des inverses des racines des entiers jusqu a n =  164.9547890690405
2*sqrt(n) =  166.40913436467363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  154.9893142190956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.40765226991263

n =  6924
somme des inverses des racines des entiers jusqu a n =  164.96680677213854
2*sqrt(n) =  166.42115250171776
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.00118792052166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.4197426247658

n =  6925
somme des inverses des racines des entiers jusqu a n =  164.97882360750106
2*sqrt(n) =  166.43316977093238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.01306077497685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.43183210136016

n =  6926
somme des inverses des racines des entiers jusqu a n =  164.990839575316
2*sqrt(n) =  166.44518617250546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.0249327826431
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.44392069988663

n =  6927
somme des inverses des racines des entiers jusqu a n =  165.0028546757712
2*sqrt(n) =  166.4572017066249
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.0368039437023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.4560084205362

n =  6928
somme des inverses des racines des entiers jusqu a n =  165.0148689090545
2*sqrt(n) =  166.4692163734785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.04867425833623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.46809526349963

n =  6929
somme des inverses des racines des entiers jusqu a n =  165.02688227535364
2*sqrt(n) =  166.48123017325406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.06054372672668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.48018122896775

n =  6930
somme des inverses des racines des entiers jusqu a n =  165.03889477485626
2*sqrt(n) =  166.4932431061393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.07241234905536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.49226631713125

n =  6931
somme des inverses des racines des entiers jusqu a n =  165.05090640774995
2*sqrt(n) =  166.50525517232182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.08428012550385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.50435052818082

n =  6932
somme des inverses des racines des entiers jusqu a n =  165.06291717422226
2*sqrt(n) =  166.5172663719892
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.0961470562537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.51643386230694

n =  6933
somme des inverses des racines des entiers jusqu a n =  165.07492707446065
2*sqrt(n) =  166.5292767053289
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.10801314148642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.52851631970015

n =  6934
somme des inverses des racines des entiers jusqu a n =  165.08693610865248
2*sqrt(n) =  166.5412861725284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.11987838138344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.5405979005509

n =  6935
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somme des inverses des racines des entiers jusqu a n =  165.09894427698512
2*sqrt(n) =  166.55329477377504
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.13174277612612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.5526786050495

n =  6936
somme des inverses des racines des entiers jusqu a n =  165.1109515796458
2*sqrt(n) =  166.5653025092561
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.14360632589572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.5647584333863

n =  6937
somme des inverses des racines des entiers jusqu a n =  165.12295801682177
2*sqrt(n) =  166.57730937915883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.15546903087355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.57683738575147

n =  6938
somme des inverses des racines des entiers jusqu a n =  165.1349635887001
2*sqrt(n) =  166.5893153836704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.1673308912407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.58891546233525

n =  6939
somme des inverses des racines des entiers jusqu a n =  165.14696829546784
2*sqrt(n) =  166.60132052297786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.1791919071783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.60099266332762

n =  6940
somme des inverses des racines des entiers jusqu a n =  165.15897213731202
2*sqrt(n) =  166.61332479726823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.1910520788674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.61306898891866

n =  6941
somme des inverses des racines des entiers jusqu a n =  165.17097511441955
2*sqrt(n) =  166.6253282067285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.20291140648894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.6251444392983

n =  6942
somme des inverses des racines des entiers jusqu a n =  165.18297722697727
2*sqrt(n) =  166.6373307515456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.21476989022386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.63721901465647

n =  6943
somme des inverses des racines des entiers jusqu a n =  165.194978475172
2*sqrt(n) =  166.64933243190626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.22662753025298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.6492927151829

n =  6944
somme des inverses des racines des entiers jusqu a n =  165.20697885919043
2*sqrt(n) =  166.66133324799728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.2384843267571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.66136554106737

n =  6945
somme des inverses des racines des entiers jusqu a n =  165.21897837921924
2*sqrt(n) =  166.67333320000535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.2503402799169
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.67343749249957
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n =  6946
somme des inverses des racines des entiers jusqu a n =  165.230977035445
2*sqrt(n) =  166.68533228811705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.26219538991305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.68550856966905

n =  6947
somme des inverses des racines des entiers jusqu a n =  165.2429748280542
2*sqrt(n) =  166.69733051251902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.27404965692614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.69757877276544

n =  6948
somme des inverses des racines des entiers jusqu a n =  165.25497175723333
2*sqrt(n) =  166.70932787339765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.28590308113667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.70964810197816

n =  6949
somme des inverses des racines des entiers jusqu a n =  165.26696782316878
2*sqrt(n) =  166.7213243709394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.29775566272508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.72171655749656

n =  6950
somme des inverses des racines des entiers jusqu a n =  165.27896302604685
2*sqrt(n) =  166.73332000533065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.30960740187183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.73378413951008

n =  6951
somme des inverses des racines des entiers jusqu a n =  165.29095736605382
2*sqrt(n) =  166.74531477675768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.3214582987572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.7458508482079

n =  6952
somme des inverses des racines des entiers jusqu a n =  165.30295084337584
2*sqrt(n) =  166.75730868540666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.33330835356142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.75791668377926

n =  6953
somme des inverses des racines des entiers jusqu a n =  165.31494345819905
2*sqrt(n) =  166.76930173146374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.34515756646474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.76998164641324

n =  6954
somme des inverses des racines des entiers jusqu a n =  165.32693521070948
2*sqrt(n) =  166.78129391511507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.35700593764727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.78204573629898

n =  6955
somme des inverses des racines des entiers jusqu a n =  165.33892610109314
2*sqrt(n) =  166.7932852365466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.36885346728906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.79410895362537

n =  6956
somme des inverses des racines des entiers jusqu a n =  165.3509161295359
2*sqrt(n) =  166.80527569594435
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.38070015557017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.80617129858143

n =  6957
somme des inverses des racines des entiers jusqu a n =  165.36290529622366
2*sqrt(n) =  166.81726529349413
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.39254600267049
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.81823277135595

n =  6958
somme des inverses des racines des entiers jusqu a n =  165.3748936013422
2*sqrt(n) =  166.8292540293818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.4043910087699
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.83029337213773

n =  6959
somme des inverses des racines des entiers jusqu a n =  165.3868810450772
2*sqrt(n) =  166.84124190379308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.41623517404824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.8423531011155

n =  6960
somme des inverses des racines des entiers jusqu a n =  165.39886762761432
2*sqrt(n) =  166.85322891691368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.4280784986852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.8544119584779

n =  6961
somme des inverses des racines des entiers jusqu a n =  165.41085334913916
2*sqrt(n) =  166.86521506892922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.43992098286054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.86646994441355

n =  6962
somme des inverses des racines des entiers jusqu a n =  165.42283820983724
2*sqrt(n) =  166.87720036002523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.45176262675386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.87852705911092

n =  6963
somme des inverses des racines des entiers jusqu a n =  165.43482220989398
2*sqrt(n) =  166.8891847903872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.46360343054465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.89058330275847

n =  6964
somme des inverses des racines des entiers jusqu a n =  165.4468053494948
2*sqrt(n) =  166.90116836020053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.47544339441245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.90263867554455

n =  6965
somme des inverses des racines des entiers jusqu a n =  165.458787628825
2*sqrt(n) =  166.91315106965058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.4872825185367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.91469317765754

n =  6966
somme des inverses des racines des entiers jusqu a n =  165.47076904806983
2*sqrt(n) =  166.92513291892266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.4991208030967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.92674680928562

n =  6967
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somme des inverses des racines des entiers jusqu a n =  165.48274960741446
2*sqrt(n) =  166.93711390820198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.51095824827186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.93879957061702

n =  6968
somme des inverses des racines des entiers jusqu a n =  165.49472930704403
2*sqrt(n) =  166.94909403767366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.52279485424134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.95085146183982

n =  6969
somme des inverses des racines des entiers jusqu a n =  165.50670814714357
2*sqrt(n) =  166.96107330752278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.53463062118428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.96290248314205

n =  6970
somme des inverses des racines des entiers jusqu a n =  165.5186861278981
2*sqrt(n) =  166.97305171793442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.54646554927987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.9749526347117

n =  6971
somme des inverses des racines des entiers jusqu a n =  165.53066324949248
2*sqrt(n) =  166.98502926909347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.55829963870707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.98700191673666

n =  6972
somme des inverses des racines des entiers jusqu a n =  165.5426395121116
2*sqrt(n) =  166.9970059611848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.5701328896449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  171.99905032940475

n =  6973
somme des inverses des racines des entiers jusqu a n =  165.55461491594025
2*sqrt(n) =  167.00898179439332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.58196530227232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.01109787290383

n =  6974
somme des inverses des racines des entiers jusqu a n =  165.56658946116315
2*sqrt(n) =  167.02095676890372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.59379687676812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.0231445474215

n =  6975
somme des inverses des racines des entiers jusqu a n =  165.57856314796493
2*sqrt(n) =  167.03293088490065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.6056276133111
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.03519035314542

n =  6976
somme des inverses des racines des entiers jusqu a n =  165.5905359765302
2*sqrt(n) =  167.0449041425688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.61745751208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.04723529026322

n =  6977
somme des inverses des racines des entiers jusqu a n =  165.60250794704345
2*sqrt(n) =  167.05687654209268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.62928657325344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.0592793589623
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n =  6978
somme des inverses des racines des entiers jusqu a n =  165.61447905968916
2*sqrt(n) =  167.0688480836568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.6411147970101
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.07132255943017

n =  6979
somme des inverses des racines des entiers jusqu a n =  165.62644931465172
2*sqrt(n) =  167.0808187674456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.65294218352847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.0833648918542

n =  6980
somme des inverses des racines des entiers jusqu a n =  165.63841871211545
2*sqrt(n) =  167.09278859364338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.66476873298697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.0954063564216

n =  6981
somme des inverses des racines des entiers jusqu a n =  165.6503872522646
2*sqrt(n) =  167.10475756243446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.67659444556406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.10744695331965

n =  6982
somme des inverses des racines des entiers jusqu a n =  165.66235493528336
2*sqrt(n) =  167.11672567400308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.6884193214381
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.11948668273556

n =  6983
somme des inverses des racines des entiers jusqu a n =  165.67432176135586
2*sqrt(n) =  167.12869292853338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.70024336078734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.1315255448564

n =  6984
somme des inverses des racines des entiers jusqu a n =  165.68628773066615
2*sqrt(n) =  167.14065932620943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.71206656379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.14356353986915

n =  6985
somme des inverses des racines des entiers jusqu a n =  165.69825284339822
2*sqrt(n) =  167.15262486721528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.7238889306242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.1556006679608

n =  6986
somme des inverses des racines des entiers jusqu a n =  165.710217099736
2*sqrt(n) =  167.1645895517349
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.73571046146813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.1676369293183

n =  6987
somme des inverses des racines des entiers jusqu a n =  165.72218049986338
2*sqrt(n) =  167.17655337995217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.74753115649972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.17967232412838

n =  6988
somme des inverses des racines des entiers jusqu a n =  165.73414304396414
2*sqrt(n) =  167.18851635205093
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.75935101589698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.1917068525779

n =  6989
somme des inverses des racines des entiers jusqu a n =  165.746104732222
2*sqrt(n) =  167.20047846821492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.7711700398378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.20374051485348

n =  6990
somme des inverses des racines des entiers jusqu a n =  165.7580655648206
2*sqrt(n) =  167.21243972862786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.78298822850002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.2157733111418

n =  6991
somme des inverses des racines des entiers jusqu a n =  165.7700255419436
2*sqrt(n) =  167.22440013347335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.79480558206137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.22780524162934

n =  6992
somme des inverses des racines des entiers jusqu a n =  165.78198466377447
2*sqrt(n) =  167.236359682935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.80662210069963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.23983630650267

n =  6993
somme des inverses des racines des entiers jusqu a n =  165.7939429304967
2*sqrt(n) =  167.24831837719626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.8184377845924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.2518665059482

n =  6994
somme des inverses des racines des entiers jusqu a n =  165.8059003422937
2*sqrt(n) =  167.2602762164406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.83025263391727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.26389584015223

n =  6995
somme des inverses des racines des entiers jusqu a n =  165.8178568993488
2*sqrt(n) =  167.27223320085136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.84206664885178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.27592430930116

n =  6996
somme des inverses des racines des entiers jusqu a n =  165.82981260184528
2*sqrt(n) =  167.28418933061187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.85387982957337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.2879519135811

n =  6997
somme des inverses des racines des entiers jusqu a n =  165.8417674499663
2*sqrt(n) =  167.29614460590537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.86569217625947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.2999786531783

n =  6998
somme des inverses des racines des entiers jusqu a n =  165.85372144389507
2*sqrt(n) =  167.30809902691502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.87750368908738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.31200452827883

n =  6999
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somme des inverses des racines des entiers jusqu a n =  165.8656745838146
2*sqrt(n) =  167.3200525938239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.88931436823438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.32402953906868

n =  7000
somme des inverses des racines des entiers jusqu a n =  165.87762686990794
2*sqrt(n) =  167.33200530681512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.90112421387767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.33605368573384

n =  7001
somme des inverses des racines des entiers jusqu a n =  165.88957830235802
2*sqrt(n) =  167.3439571660716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.9129332261944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.3480769684602

n =  7002
somme des inverses des racines des entiers jusqu a n =  165.90152888134773
2*sqrt(n) =  167.35590817177624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.92474140536163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.36009938743354

n =  7003
somme des inverses des racines des entiers jusqu a n =  165.91347860705986
2*sqrt(n) =  167.36785832411192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.93654875155642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.37212094283967

n =  7004
somme des inverses des racines des entiers jusqu a n =  165.92542747967715
2*sqrt(n) =  167.37980762326143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.9483552649557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.3841416348643

n =  7005
somme des inverses des racines des entiers jusqu a n =  165.9373754993823
2*sqrt(n) =  167.39175606940742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.9601609457363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.39616146369298

n =  7006
somme des inverses des racines des entiers jusqu a n =  165.94932266635794
2*sqrt(n) =  167.40370366273262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.9719657940752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.40818042951133

n =  7007
somme des inverses des racines des entiers jusqu a n =  165.96126898078663
2*sqrt(n) =  167.41565040341956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.98376981014903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.42019853250483

n =  7008
somme des inverses des racines des entiers jusqu a n =  165.9732144428508
2*sqrt(n) =  167.4275962916508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  155.99557299413456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.43221577285888

n =  7009
somme des inverses des racines des entiers jusqu a n =  165.98515905273294
2*sqrt(n) =  167.43954132760877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.00737534620845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.44423215075892
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n =  7010
somme des inverses des racines des entiers jusqu a n =  165.99710281061536
2*sqrt(n) =  167.45148551147582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.01917686654718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.45624766639014

n =  7011
somme des inverses des racines des entiers jusqu a n =  166.00904571668036
2*sqrt(n) =  167.46342884343434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.03097755532738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.46826231993782

n =  7012
somme des inverses des racines des entiers jusqu a n =  166.02098777111019
2*sqrt(n) =  167.47537132366656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.04277741272546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.48027611158713

n =  7013
somme des inverses des racines des entiers jusqu a n =  166.03292897408696
2*sqrt(n) =  167.4873129523547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.0545764389178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.49228904152315

n =  7014
somme des inverses des racines des entiers jusqu a n =  166.0448693257928
2*sqrt(n) =  167.49925372968085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.06637463408072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.5043011099309

n =  7015
somme des inverses des racines des entiers jusqu a n =  166.05680882640976
2*sqrt(n) =  167.51119365582707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.0781719983905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.51631231699534

n =  7016
somme des inverses des racines des entiers jusqu a n =  166.0687474761198
2*sqrt(n) =  167.5231327309754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.08996853202336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.5283226629014

n =  7017
somme des inverses des racines des entiers jusqu a n =  166.08068527510477
2*sqrt(n) =  167.53507095530773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.10176423515546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.54033214783388

n =  7018
somme des inverses des racines des entiers jusqu a n =  166.09262222354656
2*sqrt(n) =  167.547008329006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.11355910796283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.55234077197755

n =  7019
somme des inverses des racines des entiers jusqu a n =  166.10455832162694
2*sqrt(n) =  167.55894485225193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.12535315062152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.56434853551713

n =  7020
somme des inverses des racines des entiers jusqu a n =  166.1164935695276
2*sqrt(n) =  167.5708805252273
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.13714636330744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.57635543863722

n =  7021
somme des inverses des racines des entiers jusqu a n =  166.12842796743018
2*sqrt(n) =  167.58281534811377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.14893874619654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.58836148152238

n =  7022
somme des inverses des racines des entiers jusqu a n =  166.14036151551628
2*sqrt(n) =  167.594749321093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.1607302994646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.60036666435718

n =  7023
somme des inverses des racines des entiers jusqu a n =  166.1522942139674
2*sqrt(n) =  167.60668244434646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.17252102328746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.61237098732596

n =  7024
somme des inverses des racines des entiers jusqu a n =  166.16422606296499
2*sqrt(n) =  167.6186147180557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.18431091784078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.62437445061317

n =  7025
somme des inverses des racines des entiers jusqu a n =  166.17615706269044
2*sqrt(n) =  167.6305461424021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.19609998330014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.63637705440306

n =  7026
somme des inverses des racines des entiers jusqu a n =  166.18808721332505
2*sqrt(n) =  167.642476717567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.20788821984124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.6483787988799

n =  7027
somme des inverses des racines des entiers jusqu a n =  166.2000165150501
2*sqrt(n) =  167.65440644373174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.21967562763956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.66037968422785

n =  7028
somme des inverses des racines des entiers jusqu a n =  166.21194496804677
2*sqrt(n) =  167.6663353210775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.2314622068705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.672379710631

n =  7029
somme des inverses des racines des entiers jusqu a n =  166.22387257249616
2*sqrt(n) =  167.67826334978545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.24324795770954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.6843788782734

n =  7030
somme des inverses des racines des entiers jusqu a n =  166.2357993285794
2*sqrt(n) =  167.69019053003666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.25503288033195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.696377187339

n =  7031
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somme des inverses des racines des entiers jusqu a n =  166.2477252364774
2*sqrt(n) =  167.70211686201222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.26681697491307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.7083746380118

n =  7032
somme des inverses des racines des entiers jusqu a n =  166.25965029637118
2*sqrt(n) =  167.71404234589303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.27860024162803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.72037123047554

n =  7033
somme des inverses des racines des entiers jusqu a n =  166.27157450844155
2*sqrt(n) =  167.72596698186004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.29038268065202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.73236696491404

n =  7034
somme des inverses des racines des entiers jusqu a n =  166.28349787286933
2*sqrt(n) =  167.73789077009405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.30216429216014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.74436184151102

n =  7035
somme des inverses des racines des entiers jusqu a n =  166.29542038983527
2*sqrt(n) =  167.74981371077584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.31394507632734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.75635586045007

n =  7036
somme des inverses des racines des entiers jusqu a n =  166.30734205952004
2*sqrt(n) =  167.76173580408616
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.32572503332872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.76834902191487

n =  7037
somme des inverses des racines des entiers jusqu a n =  166.31926288210425
2*sqrt(n) =  167.7736570502056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.33750416333905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.78034132608886

n =  7038
somme des inverses des racines des entiers jusqu a n =  166.33118285776845
2*sqrt(n) =  167.78557744931476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.34928246653323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.79233277315552

n =  7039
somme des inverses des racines des entiers jusqu a n =  166.34310198669314
2*sqrt(n) =  167.79749700159417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.36105994308605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.80432336329824

n =  7040
somme des inverses des racines des entiers jusqu a n =  166.3550202690587
2*sqrt(n) =  167.80941570722425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.37283659317217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.8163130967003

n =  7041
somme des inverses des racines des entiers jusqu a n =  166.36693770504553
2*sqrt(n) =  167.82133356638542
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.3846124169663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.82830197354497
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n =  7042
somme des inverses des racines des entiers jusqu a n =  166.3788542948339
2*sqrt(n) =  167.833250579258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.396387414643
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.84028999401548

n =  7043
somme des inverses des racines des entiers jusqu a n =  166.39077003860402
2*sqrt(n) =  167.84516674602222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.40816158637682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.85227715829492

n =  7044
somme des inverses des racines des entiers jusqu a n =  166.40268493653608
2*sqrt(n) =  167.85708206685828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.4199349323422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.8642634665663

n =  7045
somme des inverses des racines des entiers jusqu a n =  166.41459898881016
2*sqrt(n) =  167.86899654194636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.4317074527136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.87624891901274

n =  7046
somme des inverses des racines des entiers jusqu a n =  166.4265121956063
2*sqrt(n) =  167.8809101714665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.44347914766533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.8882335158171

n =  7047
somme des inverses des racines des entiers jusqu a n =  166.4384245571045
2*sqrt(n) =  167.89282295559866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.45525001737164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.90021725716215

n =  7048
somme des inverses des racines des entiers jusqu a n =  166.45033607348464
2*sqrt(n) =  167.90473489452285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.46702006200684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.91220014323085

n =  7049
somme des inverses des racines des entiers jusqu a n =  166.46224674492657
2*sqrt(n) =  167.9166459884189
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.47878928174504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.92418217420584

n =  7050
somme des inverses des racines des entiers jusqu a n =  166.47415657161008
2*sqrt(n) =  167.92855623746667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.49055767676035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.93616335026982

n =  7051
somme des inverses des racines des entiers jusqu a n =  166.48606555371487
2*sqrt(n) =  167.94046564184583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.5023252472268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.94814367160535

n =  7052
somme des inverses des racines des entiers jusqu a n =  166.4979736914206
2*sqrt(n) =  167.95237420173612
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.51409199331837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.960123138395

n =  7053
somme des inverses des racines des entiers jusqu a n =  166.50988098490689
2*sqrt(n) =  167.96428191731718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.525857915209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.97210175082125

n =  7054
somme des inverses des racines des entiers jusqu a n =  166.5217874343532
2*sqrt(n) =  167.97618878876852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.53762301307253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.98407950906653

n =  7055
somme des inverses des racines des entiers jusqu a n =  166.53369303993904
2*sqrt(n) =  167.98809481626964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.54938728708274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  172.99605641331308

n =  7056
somme des inverses des racines des entiers jusqu a n =  166.5455978018438
2*sqrt(n) =  168.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.56115073741339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.00803246374332

n =  7057
somme des inverses des racines des entiers jusqu a n =  166.55750172024682
2*sqrt(n) =  168.01190434013895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.57291336423813
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.02000766053936

n =  7058
somme des inverses des racines des entiers jusqu a n =  166.56940479532736
2*sqrt(n) =  168.02380783686579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.58467516773058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.0319820038834

n =  7059
somme des inverses des racines des entiers jusqu a n =  166.58130702726461
2*sqrt(n) =  168.03571049035975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.59643614806427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.04395549395747

n =  7060
somme des inverses des racines des entiers jusqu a n =  166.59320841623776
2*sqrt(n) =  168.04761230080004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.60819630541275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.05592813094367

n =  7061
somme des inverses des racines des entiers jusqu a n =  166.60510896242585
2*sqrt(n) =  168.05951326836575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.6199556399494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.06789991502393

n =  7062
somme des inverses des racines des entiers jusqu a n =  166.61700866600793
2*sqrt(n) =  168.0714133932359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.63171415184758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.07987084638006

n =  7063
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somme des inverses des racines des entiers jusqu a n =  166.62890752716294
2*sqrt(n) =  168.08331267558955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.64347184128064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.09184092519402

n =  7064
somme des inverses des racines des entiers jusqu a n =  166.64080554606977
2*sqrt(n) =  168.09521111560557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.65522870842176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.10381015164745

n =  7065
somme des inverses des racines des entiers jusqu a n =  166.65270272290724
2*sqrt(n) =  168.1071087134628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.66698475344418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.1157785259221

n =  7066
somme des inverses des racines des entiers jusqu a n =  166.6645990578541
2*sqrt(n) =  168.11900546934007
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.67873997652097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.1277460481996

n =  7067
somme des inverses des racines des entiers jusqu a n =  166.6764945510891
2*sqrt(n) =  168.13090138341613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.69049437782527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.13971271866154

n =  7068
somme des inverses des racines des entiers jusqu a n =  166.68838920279083
2*sqrt(n) =  168.14279645586961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.70224795753003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.1516785374894

n =  7069
somme des inverses des racines des entiers jusqu a n =  166.7002830131379
2*sqrt(n) =  168.15469068687915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.7140007158082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.1636435048646

n =  7070
somme des inverses des racines des entiers jusqu a n =  166.7121759823088
2*sqrt(n) =  168.16658407662325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.72575265283263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.17560762096855

n =  7071
somme des inverses des racines des entiers jusqu a n =  166.724068110482
2*sqrt(n) =  168.17847662528044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.7375037687762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.18757088598255

n =  7072
somme des inverses des racines des entiers jusqu a n =  166.73595939783587
2*sqrt(n) =  168.1903683330291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.74925406381163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.19953330008784

n =  7073
somme des inverses des racines des entiers jusqu a n =  166.74784984454874
2*sqrt(n) =  168.20225920004762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.76100353811162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.21149486346562
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n =  7074
somme des inverses des racines des entiers jusqu a n =  166.75973945079883
2*sqrt(n) =  168.21414922651422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.7727521918488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.22345557629694

n =  7075
somme des inverses des racines des entiers jusqu a n =  166.77162821676438
2*sqrt(n) =  168.2260384126072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.78450002519577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.2354154387629

n =  7076
somme des inverses des racines des entiers jusqu a n =  166.7835161426235
2*sqrt(n) =  168.23792675850473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.79624703832505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.24737445104455

n =  7077
somme des inverses des racines des entiers jusqu a n =  166.7954032285543
2*sqrt(n) =  168.24981426438484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.80799323140906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.25933261332273

n =  7078
somme des inverses des racines des entiers jusqu a n =  166.80728947473474
2*sqrt(n) =  168.26170093042563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.81973860462023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.27128992577832

n =  7079
somme des inverses des racines des entiers jusqu a n =  166.8191748813428
2*sqrt(n) =  168.27358675680506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.83148315813088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.28324638859215

n =  7080
somme des inverses des racines des entiers jusqu a n =  166.83105944855635
2*sqrt(n) =  168.28547174370104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.84322689211328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.29520200194492

n =  7081
somme des inverses des racines des entiers jusqu a n =  166.84294317655318
2*sqrt(n) =  168.2973558912914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.85496980673963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.30715676601727

n =  7082
somme des inverses des racines des entiers jusqu a n =  166.85482606551108
2*sqrt(n) =  168.30923919975396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.86671190218212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.3191106809899

n =  7083
somme des inverses des racines des entiers jusqu a n =  166.86670811560774
2*sqrt(n) =  168.32112166926646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.87845317861283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.33106374704326

n =  7084
somme des inverses des racines des entiers jusqu a n =  166.8785893270208
2*sqrt(n) =  168.3330033000065
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.89019363620378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.34301596435787

n =  7085
somme des inverses des racines des entiers jusqu a n =  166.8904696999278
2*sqrt(n) =  168.34488409215172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.90193327512694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.3549673331141

n =  7086
somme des inverses des racines des entiers jusqu a n =  166.90234923450626
2*sqrt(n) =  168.35676404587966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.91367209555423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.36691785349237

n =  7087
somme des inverses des racines des entiers jusqu a n =  166.9142279309336
2*sqrt(n) =  168.3686431613678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.92541009765756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.37886752567292

n =  7088
somme des inverses des racines des entiers jusqu a n =  166.92610578938724
2*sqrt(n) =  168.3805214387935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.9371472816086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.39081634983594

n =  7089
somme des inverses des racines des entiers jusqu a n =  166.93798281004447
2*sqrt(n) =  168.39239887833418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.94888364757915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.40276432616167

n =  7090
somme des inverses des racines des entiers jusqu a n =  166.94985899308256
2*sqrt(n) =  168.40427548016706
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.9606191957409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.41471145483013

n =  7091
somme des inverses des racines des entiers jusqu a n =  166.9617343386787
2*sqrt(n) =  168.41615124446943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.97235392626544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.42665773602144

n =  7092
somme des inverses des racines des entiers jusqu a n =  166.97360884701
2*sqrt(n) =  168.4280261714184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.9840878393243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.43860316991544

n =  7093
somme des inverses des racines des entiers jusqu a n =  166.98548251825358
2*sqrt(n) =  168.43990026119107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  156.995820935089
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.45054775669212

n =  7094
somme des inverses des racines des entiers jusqu a n =  166.9973553525864
2*sqrt(n) =  168.45177351396453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.00755321373097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.4624914965313

n =  7095
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somme des inverses des racines des entiers jusqu a n =  167.0092273501854
2*sqrt(n) =  168.46364592991569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.01928467542155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.47443438961275

n =  7096
somme des inverses des racines des entiers jusqu a n =  167.02109851122748
2*sqrt(n) =  168.4755175092215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.0310153203321
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.48637643611622

n =  7097
somme des inverses des racines des entiers jusqu a n =  167.03296883588945
2*sqrt(n) =  168.4873882520588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.04274514863383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.4983176362213

n =  7098
somme des inverses des racines des entiers jusqu a n =  167.04483832434806
2*sqrt(n) =  168.49925815860436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.05447416049793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.5102579901076

n =  7099
somme des inverses des racines des entiers jusqu a n =  167.05670697678002
2*sqrt(n) =  168.51112722903494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.06620235609557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.52219749795464

n =  7100
somme des inverses des racines des entiers jusqu a n =  167.06857479336196
2*sqrt(n) =  168.52299546352717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.07792973559776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.53413615994185

n =  7101
somme des inverses des racines des entiers jusqu a n =  167.08044177427044
2*sqrt(n) =  168.53486286225768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.0896562991756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.54607397624872

n =  7102
somme des inverses des racines des entiers jusqu a n =  167.09230791968199
2*sqrt(n) =  168.54672942540296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.10138204699993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.55801094705447

n =  7103
somme des inverses des racines des entiers jusqu a n =  167.104173229773
2*sqrt(n) =  168.55859515313955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.11310697924173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.56994707253844

n =  7104
somme des inverses des racines des entiers jusqu a n =  167.11603770471993
2*sqrt(n) =  168.5704600456438
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.1248310960718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.5818823528798

n =  7105
somme des inverses des racines des entiers jusqu a n =  167.12790134469904
2*sqrt(n) =  168.58232410309213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.13655439766094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.59381678825773
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n =  7106
somme des inverses des racines des entiers jusqu a n =  167.13976414988662
2*sqrt(n) =  168.59418732566078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.1482768841798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.60575037885127

n =  7107
somme des inverses des racines des entiers jusqu a n =  167.15162612045884
2*sqrt(n) =  168.606049713526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.15999855579912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.61768312483946

n =  7108
somme des inverses des racines des entiers jusqu a n =  167.16348725659185
2*sqrt(n) =  168.61791126686393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.17171941268938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.62961502640118

n =  7109
somme des inverses des racines des entiers jusqu a n =  167.1753475584617
2*sqrt(n) =  168.6297719858507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.18343945502124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.64154608371544

n =  7110
somme des inverses des racines des entiers jusqu a n =  167.18720702624447
2*sqrt(n) =  168.64163187066237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.1951586829651
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.653476296961

n =  7111
somme des inverses des racines des entiers jusqu a n =  167.19906566011605
2*sqrt(n) =  168.65349092147486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.20687709669133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.66540566631662

n =  7112
somme des inverses des racines des entiers jusqu a n =  167.21092346025233
2*sqrt(n) =  168.6653491384641
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.21859469637036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.67733419196097

n =  7113
somme des inverses des racines des entiers jusqu a n =  167.22278042682916
2*sqrt(n) =  168.67720652180603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.2303114821725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.68926187407277

n =  7114
somme des inverses des racines des entiers jusqu a n =  167.23463656002227
2*sqrt(n) =  168.68906307167634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.24202745426794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.70118871283054

n =  7115
somme des inverses des racines des entiers jusqu a n =  167.24649186000738
2*sqrt(n) =  168.70091878825082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.25374261282687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.71311470841277

n =  7116
somme des inverses des racines des entiers jusqu a n =  167.25834632696015
2*sqrt(n) =  168.71277367170512
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.2654569580194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.72503986099798

n =  7117
somme des inverses des racines des entiers jusqu a n =  167.27019996105614
2*sqrt(n) =  168.72462772221488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.2771704900156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.7369641707645

n =  7118
somme des inverses des racines des entiers jusqu a n =  167.28205276247087
2*sqrt(n) =  168.7364809399556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.28888320898548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.74888763789068

n =  7119
somme des inverses des racines des entiers jusqu a n =  167.29390473137977
2*sqrt(n) =  168.7483333251028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.30059511509893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.76081026255474

n =  7120
somme des inverses des racines des entiers jusqu a n =  167.30575586795825
2*sqrt(n) =  168.7601848778319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.31230620852588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.7727320449349

n =  7121
somme des inverses des racines des entiers jusqu a n =  167.31760617238166
2*sqrt(n) =  168.77203559831824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.32401648943613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.7846529852093

n =  7122
somme des inverses des racines des entiers jusqu a n =  167.32945564482526
2*sqrt(n) =  168.78388548673715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.33572595799944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.796573083556

n =  7123
somme des inverses des racines des entiers jusqu a n =  167.34130428546428
2*sqrt(n) =  168.79573454326385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.3474346143855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.808492340153

n =  7124
somme des inverses des racines des entiers jusqu a n =  167.3531520944738
2*sqrt(n) =  168.80758276807353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.35914245876398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.8204107551783

n =  7125
somme des inverses des racines des entiers jusqu a n =  167.364999072029
2*sqrt(n) =  168.81943016134133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.37084949130448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.83232832880975

n =  7126
somme des inverses des racines des entiers jusqu a n =  167.37684521830485
2*sqrt(n) =  168.83127672324224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.38255571217647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.84424506122514

n =  7127
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somme des inverses des racines des entiers jusqu a n =  167.3886905334763
2*sqrt(n) =  168.8431224539513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.39426112154945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.85616095260224

n =  7128
somme des inverses des racines des entiers jusqu a n =  167.40053501771828
2*sqrt(n) =  168.85496735364347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.40596571959284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.8680760031188

n =  7129
somme des inverses des racines des entiers jusqu a n =  167.41237867120563
2*sqrt(n) =  168.86681142249356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.41766950647593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.87999021295235

n =  7130
somme des inverses des racines des entiers jusqu a n =  167.4242214941131
2*sqrt(n) =  168.8786546606764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.42937248236808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.89190358228058

n =  7131
somme des inverses des racines des entiers jusqu a n =  167.43606348661544
2*sqrt(n) =  168.89049706836676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.44107464743846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.9038161112809

n =  7132
somme des inverses des racines des entiers jusqu a n =  167.4479046488873
2*sqrt(n) =  168.9023386457393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.45277600185625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.9157278001308

n =  7133
somme des inverses des racines des entiers jusqu a n =  167.45974498110326
2*sqrt(n) =  168.91417939296866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.46447654579063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.9276386490077

n =  7134
somme des inverses des racines des entiers jusqu a n =  167.47158448343788
2*sqrt(n) =  168.9260193102294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.47617627941057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.93954865808882

n =  7135
somme des inverses des racines des entiers jusqu a n =  167.4834231560656
2*sqrt(n) =  168.93785839769603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.4878752028851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.9514578275515

n =  7136
somme des inverses des racines des entiers jusqu a n =  167.49526099916088
2*sqrt(n) =  168.949696655543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.49957331638316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.96336615757292

n =  7137
somme des inverses des racines des entiers jusqu a n =  167.507098012898
2*sqrt(n) =  168.96153408394468
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.51127062007362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.97527364833022
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n =  7138
somme des inverses des racines des entiers jusqu a n =  167.51893419745133
2*sqrt(n) =  168.9733706830754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.5229671141253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.98718030000043

n =  7139
somme des inverses des racines des entiers jusqu a n =  167.53076955299505
2*sqrt(n) =  168.98520645310938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.53466279870693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  173.9990861127606

n =  7140
somme des inverses des racines des entiers jusqu a n =  167.54260407970332
2*sqrt(n) =  168.99704139422087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.54635767398725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.01099108678767

n =  7141
somme des inverses des racines des entiers jusqu a n =  167.55443777775028
2*sqrt(n) =  169.00887550658396
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.55805174013486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.0228952222585

n =  7142
somme des inverses des racines des entiers jusqu a n =  167.56627064730995
2*sqrt(n) =  169.0207087903728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.5697449973184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.03479851934998

n =  7143
somme des inverses des racines des entiers jusqu a n =  167.57810268855633
2*sqrt(n) =  169.0325412457613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.58143744570634
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.0467009782388

n =  7144
somme des inverses des racines des entiers jusqu a n =  167.58993390166333
2*sqrt(n) =  169.0443728729235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.59312908546718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.05860259910168

n =  7145
somme des inverses des racines des entiers jusqu a n =  167.60176428680484
2*sqrt(n) =  169.0562036720333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.60481991676932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.07050338211528

n =  7146
somme des inverses des racines des entiers jusqu a n =  167.61359384415462
2*sqrt(n) =  169.06803364326444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.61650993978108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.08240332745612

n =  7147
somme des inverses des racines des entiers jusqu a n =  167.62542257388645
2*sqrt(n) =  169.07986278679078
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.62819915467082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.09430243530076

n =  7148
somme des inverses des racines des entiers jusqu a n =  167.637250476174
2*sqrt(n) =  169.091691102786
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.63988756160668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.10620070582564

n =  7149
somme des inverses des racines des entiers jusqu a n =  167.64907755119089
2*sqrt(n) =  169.10351859142375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.6515751607569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.11809813920718

n =  7150
somme des inverses des racines des entiers jusqu a n =  167.66090379911066
2*sqrt(n) =  169.11534525287763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.6632619522896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.12999473562166

n =  7151
somme des inverses des racines des entiers jusqu a n =  167.67272922010685
2*sqrt(n) =  169.12717108732116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.67494793637277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.14189049524535

n =  7152
somme des inverses des racines des entiers jusqu a n =  167.68455381435285
2*sqrt(n) =  169.1389960949278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.68663311317445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.15378541825447

n =  7153
somme des inverses des racines des entiers jusqu a n =  167.69637758202208
2*sqrt(n) =  169.15082027587096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.69831748286256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.16567950482514

n =  7154
somme des inverses des racines des entiers jusqu a n =  167.70820052328781
2*sqrt(n) =  169.162643630324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.71000104560505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.17757275513347

n =  7155
somme des inverses des racines des entiers jusqu a n =  167.72002263832334
2*sqrt(n) =  169.1744661584602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.72168380156967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.1894651693555

n =  7156
somme des inverses des racines des entiers jusqu a n =  167.73184392730187
2*sqrt(n) =  169.1862878604528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.7333657509242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.20135674766712

n =  7157
somme des inverses des racines des entiers jusqu a n =  167.7436643903965
2*sqrt(n) =  169.19810873647495
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.74504689383636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.21324749024424

n =  7158
somme des inverses des racines des entiers jusqu a n =  167.7554840277803
2*sqrt(n) =  169.20992878669975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.75672723047379
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.22513739726273

n =  7159
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somme des inverses des racines des entiers jusqu a n =  167.76730283962632
2*sqrt(n) =  169.22174801130026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.7684067610041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.23702646889836

n =  7160
somme des inverses des racines des entiers jusqu a n =  167.77912082610752
2*sqrt(n) =  169.23356641044944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.78008548559475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.24891470532677

n =  7161
somme des inverses des racines des entiers jusqu a n =  167.79093798739675
2*sqrt(n) =  169.24538398432023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.7917634044133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.2608021067237

n =  7162
somme des inverses des racines des entiers jusqu a n =  167.80275432366685
2*sqrt(n) =  169.2572007330855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.80344051762714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.2726886732647

n =  7163
somme des inverses des racines des entiers jusqu a n =  167.81456983509062
2*sqrt(n) =  169.26901665691804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.8151168254036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.28457440512526

n =  7164
somme des inverses des racines des entiers jusqu a n =  167.82638452184077
2*sqrt(n) =  169.28083175599062
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.82679232791003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.2964593024809

n =  7165
somme des inverses des racines des entiers jusqu a n =  167.83819838408994
2*sqrt(n) =  169.29264603047588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.8384670253136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.308343365507

n =  7166
somme des inverses des racines des entiers jusqu a n =  167.8500114220107
2*sqrt(n) =  169.30445948054646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.85014091778157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.3202265943789

n =  7167
somme des inverses des racines des entiers jusqu a n =  167.86182363577564
2*sqrt(n) =  169.31627210637492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.86181400548102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.3321089892719

n =  7168
somme des inverses des racines des entiers jusqu a n =  167.87363502555718
2*sqrt(n) =  169.3280839081338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.87348628857904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.34399055036118

n =  7169
somme des inverses des racines des entiers jusqu a n =  167.88544559152774
2*sqrt(n) =  169.33989488599548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.88515776724262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.3558712778219
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n =  7170
somme des inverses des racines des entiers jusqu a n =  167.89725533385968
2*sqrt(n) =  169.35170504013237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.89682844163872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.3677511718292

n =  7171
somme des inverses des racines des entiers jusqu a n =  167.9090642527253
2*sqrt(n) =  169.3635143707168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.90849831193424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.3796302325581

n =  7172
somme des inverses des racines des entiers jusqu a n =  167.92087234829683
2*sqrt(n) =  169.37532287792104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.92016737829601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.39150846018353

n =  7173
somme des inverses des racines des entiers jusqu a n =  167.93267962074643
2*sqrt(n) =  169.38713056191725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.93183564089082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.40338585488047

n =  7174
somme des inverses des racines des entiers jusqu a n =  167.9444860702462
2*sqrt(n) =  169.3989374228776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.94350309988536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.4152624168237

n =  7175
somme des inverses des racines des entiers jusqu a n =  167.9562916969682
2*sqrt(n) =  169.41074346097417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.95516975544635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.42713814618807

n =  7176
somme des inverses des racines des entiers jusqu a n =  167.96809650108446
2*sqrt(n) =  169.42254867637897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.96683560774034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.43901304314826

n =  7177
somme des inverses des racines des entiers jusqu a n =  167.97990048276688
2*sqrt(n) =  169.43435306926398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.9785006569339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.450887107879

n =  7178
somme des inverses des racines des entiers jusqu a n =  167.9917036421873
2*sqrt(n) =  169.44615663980107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  157.99016490319352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.46276034055484

n =  7179
somme des inverses des racines des entiers jusqu a n =  168.00350597951757
2*sqrt(n) =  169.45795938816212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.00182834668564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.47463274135035

n =  7180
somme des inverses des racines des entiers jusqu a n =  168.01530749492943
2*sqrt(n) =  169.46976131451888
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.0134909875766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.48650431044

n =  7181
somme des inverses des racines des entiers jusqu a n =  168.02710818859458
2*sqrt(n) =  169.4815624190431
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.02515282603278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.49837504799825

n =  7182
somme des inverses des racines des entiers jusqu a n =  168.03890806068466
2*sqrt(n) =  169.49336270190642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.03681386222038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.51024495419944

n =  7183
somme des inverses des racines des entiers jusqu a n =  168.05070711137122
2*sqrt(n) =  169.50516216328043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.04847409630563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.52211402921782

n =  7184
somme des inverses des racines des entiers jusqu a n =  168.0625053408258
2*sqrt(n) =  169.51696080333673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.06013352845468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.53398227322774

n =  7185
somme des inverses des racines des entiers jusqu a n =  168.07430274921984
2*sqrt(n) =  169.52875862224676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.07179215883363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.5458496864033

n =  7186
somme des inverses des racines des entiers jusqu a n =  168.08609933672471
2*sqrt(n) =  169.54055562018192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.08344998760845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.55771626891865

n =  7187
somme des inverses des racines des entiers jusqu a n =  168.09789510351177
2*sqrt(n) =  169.55235179731363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.0951070149452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.56958202094785

n =  7188
somme des inverses des racines des entiers jusqu a n =  168.1096900497523
2*sqrt(n) =  169.56414715381314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.1067632410097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.58144694266485

n =  7189
somme des inverses des racines des entiers jusqu a n =  168.1214841756175
2*sqrt(n) =  169.57594168985176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.11841866596788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.5933110342437

n =  7190
somme des inverses des racines des entiers jusqu a n =  168.13327748127853
2*sqrt(n) =  169.5877354056006
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.13007328998552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.60517429585815

n =  7191
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somme des inverses des racines des entiers jusqu a n =  168.14506996690648
2*sqrt(n) =  169.59952830123083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.14172711322834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.61703672768206

n =  7192
somme des inverses des racines des entiers jusqu a n =  168.1568616326724
2*sqrt(n) =  169.6113203769135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.15338013586205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.62889832988924

n =  7193
somme des inverses des racines des entiers jusqu a n =  168.16865247874725
2*sqrt(n) =  169.62311163281967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.16503235805231
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.64075910265333

n =  7194
somme des inverses des racines des entiers jusqu a n =  168.18044250530195
2*sqrt(n) =  169.6349020691202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.17668377996463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.65261904614798

n =  7195
somme des inverses des racines des entiers jusqu a n =  168.19223171250738
2*sqrt(n) =  169.646691685986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.18833440176456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.66447816054674

n =  7196
somme des inverses des racines des entiers jusqu a n =  168.2040201005343
2*sqrt(n) =  169.65848048358797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.19998422361755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.67633644602319

n =  7197
somme des inverses des racines des entiers jusqu a n =  168.2158076695535
2*sqrt(n) =  169.6702684620968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.211633245689
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.6881939027507

n =  7198
somme des inverses des racines des entiers jusqu a n =  168.22759441973562
2*sqrt(n) =  169.68205562168322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.22328146814425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.7000505309027

n =  7199
somme des inverses des racines des entiers jusqu a n =  168.2393803512513
2*sqrt(n) =  169.6938419625179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.2349288911486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.71190633065254

n =  7200
somme des inverses des racines des entiers jusqu a n =  168.25116546427108
2*sqrt(n) =  169.7056274847714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.24657551486726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.72376130217347

n =  7201
somme des inverses des racines des entiers jusqu a n =  168.26294975896548
2*sqrt(n) =  169.71741218861428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.25822133946542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.7356154456387
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n =  7202
somme des inverses des racines des entiers jusqu a n =  168.27473323550493
2*sqrt(n) =  169.72919607421701
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.2698663651082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.74746876122143

n =  7203
somme des inverses des racines des entiers jusqu a n =  168.28651589405982
2*sqrt(n) =  169.74097914175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.28151059196063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.75932124909465

n =  7204
somme des inverses des racines des entiers jusqu a n =  168.29829773480049
2*sqrt(n) =  169.75276139138356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.29315402018773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.77117290943147

n =  7205
somme des inverses des racines des entiers jusqu a n =  168.31007875789717
2*sqrt(n) =  169.76454282328805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.30479664995443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.78302374240485

n =  7206
somme des inverses des racines des entiers jusqu a n =  168.3218589635201
2*sqrt(n) =  169.77632343763366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.31643848142562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.79487374818768

n =  7207
somme des inverses des racines des entiers jusqu a n =  168.33363835183943
2*sqrt(n) =  169.7881032345906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.32807951476616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.80672292695283

n =  7208
somme des inverses des racines des entiers jusqu a n =  168.34541692302523
2*sqrt(n) =  169.799882214329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.33971975014083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.81857127887307

n =  7209
somme des inverses des racines des entiers jusqu a n =  168.35719467724752
2*sqrt(n) =  169.81166037701888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.3513591877143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.83041880412117

n =  7210
somme des inverses des racines des entiers jusqu a n =  168.3689716146763
2*sqrt(n) =  169.82343772283025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.36299782765127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.84226550286974

n =  7211
somme des inverses des racines des entiers jusqu a n =  168.38074773548146
2*sqrt(n) =  169.83521425193305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.3746356701163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.85411137529144

n =  7212
somme des inverses des racines des entiers jusqu a n =  168.39252303983287
2*sqrt(n) =  169.84698996449717
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.38627271527398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.86595642155876

n =  7213
somme des inverses des racines des entiers jusqu a n =  168.4042975279003
2*sqrt(n) =  169.85876486069242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.39790896328876
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.87780064184426

n =  7214
somme des inverses des racines des entiers jusqu a n =  168.4160711998535
2*sqrt(n) =  169.8705389406886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.4095444143251
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.88964403632033

n =  7215
somme des inverses des racines des entiers jusqu a n =  168.42784405586212
2*sqrt(n) =  169.88231220465536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.4211790685474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.90148660515933

n =  7216
somme des inverses des racines des entiers jusqu a n =  168.43961609609582
2*sqrt(n) =  169.89408465276242
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.43281292611996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.91332834853364

n =  7217
somme des inverses des racines des entiers jusqu a n =  168.45138732072414
2*sqrt(n) =  169.90585628517928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.44444598720702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.92516926661543

n =  7218
somme des inverses des racines des entiers jusqu a n =  168.4631577299166
2*sqrt(n) =  169.91762710207556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.45607825197283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.9370093595769

n =  7219
somme des inverses des racines des entiers jusqu a n =  168.4749273238426
2*sqrt(n) =  169.92939710362066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.4677097205815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.94884862759022

n =  7220
somme des inverses des racines des entiers jusqu a n =  168.48669610267154
2*sqrt(n) =  169.941166289984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.47934039319713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.96068707082745

n =  7221
somme des inverses des racines des entiers jusqu a n =  168.49846406657275
2*sqrt(n) =  169.95293466133498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.4909702699838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.97252468946056

n =  7222
somme des inverses des racines des entiers jusqu a n =  168.5102312157155
2*sqrt(n) =  169.96470221784287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.50259935110546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.98436148366156

n =  7223
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somme des inverses des racines des entiers jusqu a n =  168.521997550269
2*sqrt(n) =  169.97646895967688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.51422763672605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  174.9961974536023

n =  7224
somme des inverses des racines des entiers jusqu a n =  168.53376307040236
2*sqrt(n) =  169.98823488700623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.5258551270094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.00803259945462

n =  7225
somme des inverses des racines des entiers jusqu a n =  168.5455277762847
2*sqrt(n) =  170.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.53748182211936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.0198669213903

n =  7226
somme des inverses des racines des entiers jusqu a n =  168.55729166808507
2*sqrt(n) =  170.01176429882727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.5491077222197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.03170041958106

n =  7227
somme des inverses des racines des entiers jusqu a n =  168.5690547459724
2*sqrt(n) =  170.02352778365704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.56073282747406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.04353309419852

n =  7228
somme des inverses des racines des entiers jusqu a n =  168.58081701011565
2*sqrt(n) =  170.03529045465825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.57235713804613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.0553649454143

n =  7229
somme des inverses des racines des entiers jusqu a n =  168.59257846068365
2*sqrt(n) =  170.0470523119998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.58398065409952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.06719597339995

n =  7230
somme des inverses des racines des entiers jusqu a n =  168.60433909784518
2*sqrt(n) =  170.0588133558505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.5956033757977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.0790261783269

n =  7231
somme des inverses des racines des entiers jusqu a n =  168.616098921769
2*sqrt(n) =  170.07057358637914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6072253033042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.0908555603666

n =  7232
somme des inverses des racines des entiers jusqu a n =  168.6278579326238
2*sqrt(n) =  170.0823330037544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6188464367824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.1026841196904

n =  7233
somme des inverses des racines des entiers jusqu a n =  168.6396161305782
2*sqrt(n) =  170.09409160814494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.63046677639565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.11451185646956
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n =  7234
somme des inverses des racines des entiers jusqu a n =  168.65137351580074
2*sqrt(n) =  170.10584939971935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6420863223073
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.12633877087535

n =  7235
somme des inverses des racines des entiers jusqu a n =  168.66313008845995
2*sqrt(n) =  170.11760637864617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6537050746806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.13816486307897

n =  7236
somme des inverses des racines des entiers jusqu a n =  168.67488584872427
2*sqrt(n) =  170.1293625450939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6653230336787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.1499901332515

n =  7237
somme des inverses des racines des entiers jusqu a n =  168.68664079676208
2*sqrt(n) =  170.14111789923092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.6769401994648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.161814581564

n =  7238
somme des inverses des racines des entiers jusqu a n =  168.6983949327417
2*sqrt(n) =  170.15287244122564
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.68855657220195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.17363820818747

n =  7239
somme des inverses des racines des entiers jusqu a n =  168.71014825683145
2*sqrt(n) =  170.16462617124628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.70017215205314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.18546101329284

n =  7240
somme des inverses des racines des entiers jusqu a n =  168.7219007691995
2*sqrt(n) =  170.1763790894612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.71178693918142
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.19728299705108

n =  7241
somme des inverses des racines des entiers jusqu a n =  168.73365247001402
2*sqrt(n) =  170.18813119603846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.72340093374964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.20910415963286

n =  7242
somme des inverses des racines des entiers jusqu a n =  168.74540335944312
2*sqrt(n) =  170.19988249114627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.7350141359207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.22092450120905

n =  7243
somme des inverses des racines des entiers jusqu a n =  168.75715343765484
2*sqrt(n) =  170.2116329749527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.74662654585737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.23274402195034

n =  7244
somme des inverses des racines des entiers jusqu a n =  168.76890270481715
2*sqrt(n) =  170.2233826476257
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.7582381637224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.24456272202735

n =  7245
somme des inverses des racines des entiers jusqu a n =  168.78065116109798
2*sqrt(n) =  170.23513150933329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.7698489896785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.25638060161066

n =  7246
somme des inverses des racines des entiers jusqu a n =  168.7923988066652
2*sqrt(n) =  170.24687956024334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.78145902388832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.26819766087084

n =  7247
somme des inverses des racines des entiers jusqu a n =  168.80414564168663
2*sqrt(n) =  170.25862680052367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.79306826651438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.28001389997831

n =  7248
somme des inverses des racines des entiers jusqu a n =  168.81589166633
2*sqrt(n) =  170.2703732303421
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.8046767177193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.2918293191035

n =  7249
somme des inverses des racines des entiers jusqu a n =  168.827636880763
2*sqrt(n) =  170.28211884986632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.81628437766545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.30364391841675

n =  7250
somme des inverses des racines des entiers jusqu a n =  168.8393812851533
2*sqrt(n) =  170.29386365926402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.8278912465153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.31545769808838

n =  7251
somme des inverses des racines des entiers jusqu a n =  168.85112487966845
2*sqrt(n) =  170.30560765870277
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.8394973244312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.32727065828857

n =  7252
somme des inverses des racines des entiers jusqu a n =  168.86286766447597
2*sqrt(n) =  170.31735084835015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.8511026115754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.3390827991875

n =  7253
somme des inverses des racines des entiers jusqu a n =  168.87460963974334
2*sqrt(n) =  170.32909322837364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.86270710811021
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.35089412095533

n =  7254
somme des inverses des racines des entiers jusqu a n =  168.88635080563796
2*sqrt(n) =  170.34083479894068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.87431081419783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.36270462376208

n =  7255
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somme des inverses des racines des entiers jusqu a n =  168.89809116232715
2*sqrt(n) =  170.35257556021864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.88591373000037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.3745143077778

n =  7256
somme des inverses des racines des entiers jusqu a n =  168.90983070997822
2*sqrt(n) =  170.36431551237484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.89751585567987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.38632317317231

n =  7257
somme des inverses des racines des entiers jusqu a n =  168.92156944875842
2*sqrt(n) =  170.37605465557652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.9091171913984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.3981312201156

n =  7258
somme des inverses des racines des entiers jusqu a n =  168.93330737883488
2*sqrt(n) =  170.3877929899909
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.92071773731791
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.4099384487774

n =  7259
somme des inverses des racines des entiers jusqu a n =  168.94504450037476
2*sqrt(n) =  170.39953051578516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.93231749360032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.4217448593276

n =  7260
somme des inverses des racines des entiers jusqu a n =  168.9567808135451
2*sqrt(n) =  170.41126723312635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.9439164604075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.43355045193576

n =  7261
somme des inverses des racines des entiers jusqu a n =  168.96851631851288
2*sqrt(n) =  170.42300314218147
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.95551463790122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.4453552267716

n =  7262
somme des inverses des racines des entiers jusqu a n =  168.98025101544508
2*sqrt(n) =  170.43473824311755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.96711202624329
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.4571591840047

n =  7263
somme des inverses des racines des entiers jusqu a n =  168.99198490450857
2*sqrt(n) =  170.44647253610148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.97870862559532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.46896232380456

n =  7264
somme des inverses des racines des entiers jusqu a n =  169.00371798587017
2*sqrt(n) =  170.45820602130013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  158.990304436119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.48076464634067

n =  7265
somme des inverses des racines des entiers jusqu a n =  169.01545025969665
2*sqrt(n) =  170.46993869888027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.0018994579759
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.49256615178246
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n =  7266
somme des inverses des racines des entiers jusqu a n =  169.02718172615474
2*sqrt(n) =  170.48167056900868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.01349369132754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.50436684029924

n =  7267
somme des inverses des racines des entiers jusqu a n =  169.0389123854111
2*sqrt(n) =  170.493401631852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.02508713633537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.5161667120603

n =  7268
somme des inverses des racines des entiers jusqu a n =  169.0506422376323
2*sqrt(n) =  170.5051318875769
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.03667979316086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.52796576723495

n =  7269
somme des inverses des racines des entiers jusqu a n =  169.0623712829849
2*sqrt(n) =  170.51686133634996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.04827166196532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.53976400599228

n =  7270
somme des inverses des racines des entiers jusqu a n =  169.07409952163542
2*sqrt(n) =  170.52858997833766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.0598627429101
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.55156142850143

n =  7271
somme des inverses des racines des entiers jusqu a n =  169.08582695375023
2*sqrt(n) =  170.54031781370645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.0714530361564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.56335803493147

n =  7272
somme des inverses des racines des entiers jusqu a n =  169.09755357949572
2*sqrt(n) =  170.55204484262273
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.08304254186544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.5751538254514

n =  7273
somme des inverses des racines des entiers jusqu a n =  169.10927939903823
2*sqrt(n) =  170.5637710652529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.09463126019835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.58694880023015

n =  7274
somme des inverses des racines des entiers jusqu a n =  169.12100441254398
2*sqrt(n) =  170.57549648176317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.10621919131623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.59874295943663

n =  7275
somme des inverses des racines des entiers jusqu a n =  169.1327286201792
2*sqrt(n) =  170.5872210923198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.1178063353801
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.61053630323963

n =  7276
somme des inverses des racines des entiers jusqu a n =  169.14445202211
2*sqrt(n) =  170.59894489708898
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.12939269255097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.62232883180798

n =  7277
somme des inverses des racines des entiers jusqu a n =  169.15617461850246
2*sqrt(n) =  170.61066789623678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.1409782629897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.6341205453103

n =  7278
somme des inverses des racines des entiers jusqu a n =  169.16789640952265
2*sqrt(n) =  170.6223900899293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.1525630468572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.64591144391534

n =  7279
somme des inverses des racines des entiers jusqu a n =  169.17961739533652
2*sqrt(n) =  170.6341114783325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.16414704431423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.65770152779163

n =  7280
somme des inverses des racines des entiers jusqu a n =  169.19133757611
2*sqrt(n) =  170.64583206161234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.17573025552161
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.6694907971077

n =  7281
somme des inverses des racines des entiers jusqu a n =  169.2030569520089
2*sqrt(n) =  170.6575518399347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.18731268064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.68127925203206

n =  7282
somme des inverses des racines des entiers jusqu a n =  169.21477552319905
2*sqrt(n) =  170.66927081346543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.19889431983006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.69306689273313

n =  7283
somme des inverses des racines des entiers jusqu a n =  169.2264932898462
2*sqrt(n) =  170.68098898237025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.21047517325235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.7048537193792

n =  7284
somme des inverses des racines des entiers jusqu a n =  169.238210252116
2*sqrt(n) =  170.69270634681496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.22205524106747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.7166397321387

n =  7285
somme des inverses des racines des entiers jusqu a n =  169.24992641017414
2*sqrt(n) =  170.70442290696514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.23363452343582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.72842493117977

n =  7286
somme des inverses des racines des entiers jusqu a n =  169.26164176418615
2*sqrt(n) =  170.7161386629864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.2452130205179
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.74020931667064

n =  7287
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somme des inverses des racines des entiers jusqu a n =  169.27335631431757
2*sqrt(n) =  170.72785361504432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.25679073247406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.75199288877945

n =  7288
somme des inverses des racines des entiers jusqu a n =  169.28507006073383
2*sqrt(n) =  170.73956776330436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.2683676594646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.76377564767427

n =  7289
somme des inverses des racines des entiers jusqu a n =  169.29678300360032
2*sqrt(n) =  170.75128110793196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.27994380164975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.77555759352305

n =  7290
somme des inverses des racines des entiers jusqu a n =  169.30849514308244
2*sqrt(n) =  170.7629936490925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.2915191591898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.78733872649383

n =  7291
somme des inverses des racines des entiers jusqu a n =  169.32020647934544
2*sqrt(n) =  170.77470538695127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.30309373224483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.79911904675447

n =  7292
somme des inverses des racines des entiers jusqu a n =  169.33191701255456
2*sqrt(n) =  170.78641632167356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.314667520975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.81089855447283

n =  7293
somme des inverses des racines des entiers jusqu a n =  169.34362674287496
2*sqrt(n) =  170.79812645342454
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.32624052554033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.82267724981665

n =  7294
somme des inverses des racines des entiers jusqu a n =  169.3553356704718
2*sqrt(n) =  170.8098357823694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.33781274610078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.8344551329537

n =  7295
somme des inverses des racines des entiers jusqu a n =  169.36704379551009
2*sqrt(n) =  170.8215443086732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.34938418281632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.84623220405163

n =  7296
somme des inverses des racines des entiers jusqu a n =  169.37875111815487
2*sqrt(n) =  170.83325203250098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.36095483584683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.85800846327805

n =  7297
somme des inverses des racines des entiers jusqu a n =  169.39045763857106
2*sqrt(n) =  170.84495895401773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.3725247053521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.86978391080052
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n =  7298
somme des inverses des racines des entiers jusqu a n =  169.40216335692358
2*sqrt(n) =  170.85666507338834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.38409379149195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.88155854678652

n =  7299
somme des inverses des racines des entiers jusqu a n =  169.41386827337726
2*sqrt(n) =  170.8683703907777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.39566209442606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.89333237140352

n =  7300
somme des inverses des racines des entiers jusqu a n =  169.42557238809687
2*sqrt(n) =  170.88007490635061
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.40722961431413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.90510538481885

n =  7301
somme des inverses des racines des entiers jusqu a n =  169.43727570124713
2*sqrt(n) =  170.89177862027185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.41879635131576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.91687758719988

n =  7302
somme des inverses des racines des entiers jusqu a n =  169.44897821299273
2*sqrt(n) =  170.90348153270605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.43036230559048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.92864897871385

n =  7303
somme des inverses des racines des entiers jusqu a n =  169.46067992349825
2*sqrt(n) =  170.9151836438179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.44192747729778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.94041955952795

n =  7304
somme des inverses des racines des entiers jusqu a n =  169.47238083292828
2*sqrt(n) =  170.92688495377197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.45349186659718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.95218932980939

n =  7305
somme des inverses des racines des entiers jusqu a n =  169.4840809414473
2*sqrt(n) =  170.9385854627328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.465055473648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.96395828972518

n =  7306
somme des inverses des racines des entiers jusqu a n =  169.49578024921973
2*sqrt(n) =  170.95028517086482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.4766182986096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.97572643944244

n =  7307
somme des inverses des racines des entiers jusqu a n =  169.50747875641
2*sqrt(n) =  170.96198407833245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.48818034164123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.98749377912804

n =  7308
somme des inverses des racines des entiers jusqu a n =  169.5191764631824
2*sqrt(n) =  170.97368218530008
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.4997416029022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  175.99926030894903

n =  7309
somme des inverses des racines des entiers jusqu a n =  169.5308733697012
2*sqrt(n) =  170.985379491932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.51130208255162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.0110260290722

n =  7310
somme des inverses des racines des entiers jusqu a n =  169.54256947613064
2*sqrt(n) =  170.99707599839243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.5228617807486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.02279093966433

n =  7311
somme des inverses des racines des entiers jusqu a n =  169.55426478263487
2*sqrt(n) =  171.0087717048456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.53442069765228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.03455504089226

n =  7312
somme des inverses des racines des entiers jusqu a n =  169.565959289378
2*sqrt(n) =  171.0204666114556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.5459788334216
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.04631833292257

n =  7313
somme des inverses des racines des entiers jusqu a n =  169.57765299652405
2*sqrt(n) =  171.03216071838654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.55753618821558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.058080815922

n =  7314
somme des inverses des racines des entiers jusqu a n =  169.58934590423706
2*sqrt(n) =  171.0438540258024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.5690927621931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.06984249005706

n =  7315
somme des inverses des racines des entiers jusqu a n =  169.60103801268093
2*sqrt(n) =  171.0555465338672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.58064855551297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.08160335549428

n =  7316
somme des inverses des racines des entiers jusqu a n =  169.61272932201956
2*sqrt(n) =  171.06723824274476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.592203568334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.09336341240015

n =  7317
somme des inverses des racines des entiers jusqu a n =  169.62441983241675
2*sqrt(n) =  171.07892915259904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.60375780081503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.10512266094105

n =  7318
somme des inverses des racines des entiers jusqu a n =  169.6361095440363
2*sqrt(n) =  171.09061926359377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.6153112531146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.11688110128333

n =  7319
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somme des inverses des racines des entiers jusqu a n =  169.6477984570419
2*sqrt(n) =  171.1023085758927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.62686392539146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.1286387335933

n =  7320
somme des inverses des racines des entiers jusqu a n =  169.6594865715972
2*sqrt(n) =  171.1139970896595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.63841581780414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.14039555803717

n =  7321
somme des inverses des racines des entiers jusqu a n =  169.67117388786582
2*sqrt(n) =  171.12568480505783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.6499669305112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.15215157478116

n =  7322
somme des inverses des racines des entiers jusqu a n =  169.6828604060113
2*sqrt(n) =  171.13737172225123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.66151726367104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.1639067839913

n =  7323
somme des inverses des racines des entiers jusqu a n =  169.6945461261971
2*sqrt(n) =  171.14905784140328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.67306681744222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.1756611858338

n =  7324
somme des inverses des racines des entiers jusqu a n =  169.7062310485867
2*sqrt(n) =  171.16074316267733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.68461559198295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.18741478047454

n =  7325
somme des inverses des racines des entiers jusqu a n =  169.7179151733434
2*sqrt(n) =  171.1724276862369
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.69616358745162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.1991675680795

n =  7326
somme des inverses des racines des entiers jusqu a n =  169.72959850063063
2*sqrt(n) =  171.18411141224527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.70771080400652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.21091954881464

n =  7327
somme des inverses des racines des entiers jusqu a n =  169.7412810306116
2*sqrt(n) =  171.19579434086575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.7192572418058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.22267072284572

n =  7328
somme des inverses des racines des entiers jusqu a n =  169.7529627634495
2*sqrt(n) =  171.20747647226156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.7308029010076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.23442109033854

n =  7329
somme des inverses des racines des entiers jusqu a n =  169.7646436993075
2*sqrt(n) =  171.21915780659592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.74234778177006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.24617065145884
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n =  7330
somme des inverses des racines des entiers jusqu a n =  169.7763238383487
2*sqrt(n) =  171.23083834403195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.75389188425126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.2579194063723

n =  7331
somme des inverses des racines des entiers jusqu a n =  169.78800318073615
2*sqrt(n) =  171.2425180847327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.76543520860912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.26966735524448

n =  7332
somme des inverses des racines des entiers jusqu a n =  169.79968172663283
2*sqrt(n) =  171.25419702886117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.77697775500158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.28141449824096

n =  7333
somme des inverses des racines des entiers jusqu a n =  169.81135947620166
2*sqrt(n) =  171.26587517658035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.78851952358656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.29316083552726

n =  7334
somme des inverses des racines des entiers jusqu a n =  169.82303642960554
2*sqrt(n) =  171.27755252805312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.80006051452185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.30490636726876

n =  7335
somme des inverses des racines des entiers jusqu a n =  169.83471258700726
2*sqrt(n) =  171.28922908344236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.8116007279653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.3166510936309

n =  7336
somme des inverses des racines des entiers jusqu a n =  169.84638794856963
2*sqrt(n) =  171.30090484291085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.82314016407454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.328395014779

n =  7337
somme des inverses des racines des entiers jusqu a n =  169.85806251445533
2*sqrt(n) =  171.31257980662133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.83467882300735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.34013813087833

n =  7338
somme des inverses des racines des entiers jusqu a n =  169.869736284827
2*sqrt(n) =  171.32425397473645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.84621670492123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.35188044209406

n =  7339
somme des inverses des racines des entiers jusqu a n =  169.8814092598473
2*sqrt(n) =  171.33592734741887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.85775380997381
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.3636219485914

n =  7340
somme des inverses des racines des entiers jusqu a n =  169.89308143967867
2*sqrt(n) =  171.34759992483117
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.8692901383226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.37536265053544

n =  7341
somme des inverses des racines des entiers jusqu a n =  169.90475282448367
2*sqrt(n) =  171.35927170713583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.88082569012505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.3871025480912

n =  7342
somme des inverses des racines des entiers jusqu a n =  169.9164234144247
2*sqrt(n) =  171.3709426944953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.89236046553853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.3988416414237

n =  7343
somme des inverses des racines des entiers jusqu a n =  169.9280932096642
2*sqrt(n) =  171.38261288707207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.90389446472045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.41057993069788

n =  7344
somme des inverses des racines des entiers jusqu a n =  169.93976221036445
2*sqrt(n) =  171.3942822850284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.91542768782807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.42231741607856

n =  7345
somme des inverses des racines des entiers jusqu a n =  169.95143041668769
2*sqrt(n) =  171.40595088852663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.92696013501865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.4340540977306

n =  7346
somme des inverses des racines des entiers jusqu a n =  169.96309782879615
2*sqrt(n) =  171.41761869772895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.93849180644935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.44578997581877

n =  7347
somme des inverses des racines des entiers jusqu a n =  169.97476444685202
2*sqrt(n) =  171.42928571279762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.95002270227735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.45752505050777

n =  7348
somme des inverses des racines des entiers jusqu a n =  169.98643027101735
2*sqrt(n) =  171.44095193389472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.9615528226597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.46925932196223

n =  7349
somme des inverses des racines des entiers jusqu a n =  169.99809530145424
2*sqrt(n) =  171.45261736118232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.97308216775346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.48099279034676

n =  7350
somme des inverses des racines des entiers jusqu a n =  170.00975953832463
2*sqrt(n) =  171.46428199482247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.9846107377156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.4927254558259

n =  7351
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somme des inverses des racines des entiers jusqu a n =  170.0214229817905
2*sqrt(n) =  171.4759458349771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  159.99613853270301
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.50445731856414

n =  7352
somme des inverses des racines des entiers jusqu a n =  170.0330856320137
2*sqrt(n) =  171.48760888180814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.00766555287262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.5161883787259

n =  7353
somme des inverses des racines des entiers jusqu a n =  170.04474748915604
2*sqrt(n) =  171.49927113547741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.0191917983812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.52791863647553

n =  7354
somme des inverses des racines des entiers jusqu a n =  170.05640855337933
2*sqrt(n) =  171.51093259614677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.03071726938555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.53964809197737

n =  7355
somme des inverses des racines des entiers jusqu a n =  170.06806882484526
2*sqrt(n) =  171.5225932639779
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.04224196604238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.5513767453957

n =  7356
somme des inverses des racines des entiers jusqu a n =  170.0797283037155
2*sqrt(n) =  171.53425313913255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.05376588850834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.56310459689465

n =  7357
somme des inverses des racines des entiers jusqu a n =  170.09138699015168
2*sqrt(n) =  171.54591222177228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.06528903694002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.57483164663842

n =  7358
somme des inverses des racines des entiers jusqu a n =  170.10304488431532
2*sqrt(n) =  171.55757051205873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.07681141149402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.5865578947911

n =  7359
somme des inverses des racines des entiers jusqu a n =  170.11470198636792
2*sqrt(n) =  171.56922801015338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.08833301232679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.59828334151666

n =  7360
somme des inverses des racines des entiers jusqu a n =  170.12635829647093
2*sqrt(n) =  171.58088471621772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.0998538395948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.61000798697918

n =  7361
somme des inverses des racines des entiers jusqu a n =  170.13801381478572
2*sqrt(n) =  171.5925406304132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.1113738934545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.62173183134254
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n =  7362
somme des inverses des racines des entiers jusqu a n =  170.14966854147363
2*sqrt(n) =  171.6041957529011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.12289317406214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.63345487477056

n =  7363
somme des inverses des racines des entiers jusqu a n =  170.16132247669594
2*sqrt(n) =  171.6158500838428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.13441168157408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.64517711742715

n =  7364
somme des inverses des racines des entiers jusqu a n =  170.17297562061387
2*sqrt(n) =  171.62750362339946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.1459294161465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.65689855947593

n =  7365
somme des inverses des racines des entiers jusqu a n =  170.1846279733886
2*sqrt(n) =  171.63915637173238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.15744637793566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.66861920108073

n =  7366
somme des inverses des racines des entiers jusqu a n =  170.19627953518122
2*sqrt(n) =  171.65080832900264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.16896256709765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.68033904240514

n =  7367
somme des inverses des racines des entiers jusqu a n =  170.2079303061528
2*sqrt(n) =  171.6624594953713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.1804779837885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.69205808361272

n =  7368
somme des inverses des racines des entiers jusqu a n =  170.21958028646435
2*sqrt(n) =  171.67410987099947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.19199262816434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.70377632486705

n =  7369
somme des inverses des racines des entiers jusqu a n =  170.2312294762768
2*sqrt(n) =  171.68575945604806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.20350650038105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.71549376633155

n =  7370
somme des inverses des racines des entiers jusqu a n =  170.24287787575108
2*sqrt(n) =  171.69740825067802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.21501960059464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.7272104081697

n =  7371
somme des inverses des racines des entiers jusqu a n =  170.254525485048
2*sqrt(n) =  171.70905625505023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.22653192896095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.73892625054486

n =  7372
somme des inverses des racines des entiers jusqu a n =  170.26617230432834
2*sqrt(n) =  171.72070346932546
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.23804348563576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.7506412936203

n =  7373
somme des inverses des racines des entiers jusqu a n =  170.27781833375283
2*sqrt(n) =  171.73234989366446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.2495542707748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.76235553755927

n =  7374
somme des inverses des racines des entiers jusqu a n =  170.28946357348218
2*sqrt(n) =  171.743995528228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.26106428453392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.77406898252505

n =  7375
somme des inverses des racines des entiers jusqu a n =  170.30110802367696
2*sqrt(n) =  171.75564037317667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.27257352706866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.7857816286807

n =  7376
somme des inverses des racines des entiers jusqu a n =  170.31275168449778
2*sqrt(n) =  171.7672844286711
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.28408199853467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.79749347618932

n =  7377
somme des inverses des racines des entiers jusqu a n =  170.32439455610515
2*sqrt(n) =  171.7789276948718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.29558969908751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.80920452521397

n =  7378
somme des inverses des racines des entiers jusqu a n =  170.3360366386595
2*sqrt(n) =  171.7905701719393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.30709662888268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.8209147759176

n =  7379
somme des inverses des racines des entiers jusqu a n =  170.34767793232123
2*sqrt(n) =  171.802211860034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.31860278807562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.83262422846317

n =  7380
somme des inverses des racines des entiers jusqu a n =  170.35931843725072
2*sqrt(n) =  171.81385275931623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.3301081768217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.8443328830135

n =  7381
somme des inverses des racines des entiers jusqu a n =  170.37095815360826
2*sqrt(n) =  171.8254928699464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.34161279527635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.8560407397314

n =  7382
somme des inverses des racines des entiers jusqu a n =  170.38259708155408
2*sqrt(n) =  171.8371321920847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.35311664359477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.86774779877967

n =  7383
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somme des inverses des racines des entiers jusqu a n =  170.39423522124838
2*sqrt(n) =  171.84877072589143
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.36461972193226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.879454060321

n =  7384
somme des inverses des racines des entiers jusqu a n =  170.40587257285128
2*sqrt(n) =  171.86040847152668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.376122030444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.89115952451803

n =  7385
somme des inverses des racines des entiers jusqu a n =  170.41750913652285
2*sqrt(n) =  171.87204542915057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.3876235692851
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.9028641915333

n =  7386
somme des inverses des racines des entiers jusqu a n =  170.42914491242314
2*sqrt(n) =  171.88368159892318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.39912433861068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.91456806152942

n =  7387
somme des inverses des racines des entiers jusqu a n =  170.4407799007121
2*sqrt(n) =  171.89531698100447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.41062433857573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.92627113466884

n =  7388
somme des inverses des racines des entiers jusqu a n =  170.45241410154964
2*sqrt(n) =  171.9069515755544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.42212356933527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.93797341111394

n =  7389
somme des inverses des racines des entiers jusqu a n =  170.46404751509564
2*sqrt(n) =  171.91858538273283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.4336220310442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.94967489102714

n =  7390
somme des inverses des racines des entiers jusqu a n =  170.4756801415099
2*sqrt(n) =  171.93021840269964
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.4451197238574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.96137557457075

n =  7391
somme des inverses des racines des entiers jusqu a n =  170.48731198095217
2*sqrt(n) =  171.9418506356146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.4566166479297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.97307546190703

n =  7392
somme des inverses des racines des entiers jusqu a n =  170.49894303358215
2*sqrt(n) =  171.95348208163742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.4681128034159
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.98477455319818

n =  7393
somme des inverses des racines des entiers jusqu a n =  170.5105732995595
2*sqrt(n) =  171.96511274092776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.47960819047066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  176.99647284860632
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n =  7394
somme des inverses des racines des entiers jusqu a n =  170.5222027790438
2*sqrt(n) =  171.97674261364529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.4911028092487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.00817034829356

n =  7395
somme des inverses des racines des entiers jusqu a n =  170.53383147219458
2*sqrt(n) =  171.98837169994954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.50259665990464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.01986705242197

n =  7396
somme des inverses des racines des entiers jusqu a n =  170.54545937917132
2*sqrt(n) =  172.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.514089742593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.0315629611535

n =  7397
somme des inverses des racines des entiers jusqu a n =  170.55708650013347
2*sqrt(n) =  172.01162751395617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.5255820574683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.0432580746501

n =  7398
somme des inverses des racines des entiers jusqu a n =  170.56871283524038
2*sqrt(n) =  172.0232542419774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.53707360468502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.05495239307362

n =  7399
somme des inverses des racines des entiers jusqu a n =  170.58033838465138
2*sqrt(n) =  172.0348801842231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.54856438439757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.06664591658588

n =  7400
somme des inverses des racines des entiers jusqu a n =  170.59196314852576
2*sqrt(n) =  172.04650534085255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.56005439676028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.07833864534868

n =  7401
somme des inverses des racines des entiers jusqu a n =  170.60358712702273
2*sqrt(n) =  172.05812971202494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.57154364192746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.09003057952367

n =  7402
somme des inverses des racines des entiers jusqu a n =  170.61521032030143
2*sqrt(n) =  172.06975329789952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.58303212005342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.10172171927258

n =  7403
somme des inverses des racines des entiers jusqu a n =  170.62683272852098
2*sqrt(n) =  172.0813760986354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.5945198312923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.11341206475694

n =  7404
somme des inverses des racines des entiers jusqu a n =  170.63845435184044
2*sqrt(n) =  172.09299811439163
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.60600677579825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.12510161613832

n =  7405
somme des inverses des racines des entiers jusqu a n =  170.6500751904188
2*sqrt(n) =  172.10461934532728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.6174929537254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.13679037357824

n =  7406
somme des inverses des racines des entiers jusqu a n =  170.66169524441497
2*sqrt(n) =  172.11623979160132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.62897836522777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.1484783372381

n =  7407
somme des inverses des racines des entiers jusqu a n =  170.6733145139879
2*sqrt(n) =  172.12785945337262
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.64046301045934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.16016550727926

n =  7408
somme des inverses des racines des entiers jusqu a n =  170.6849329992964
2*sqrt(n) =  172.1394783308001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.6519468895741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.1718518838631

n =  7409
somme des inverses des racines des entiers jusqu a n =  170.69655070049924
2*sqrt(n) =  172.15109642404255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.6634300027259
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.18353746715087

n =  7410
somme des inverses des racines des entiers jusqu a n =  170.7081676177552
2*sqrt(n) =  172.16271373325876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.67491235006864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.1952222573038

n =  7411
somme des inverses des racines des entiers jusqu a n =  170.71978375122293
2*sqrt(n) =  172.17433025860737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.68639393175602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.20690625448304

n =  7412
somme des inverses des racines des entiers jusqu a n =  170.73139910106104
2*sqrt(n) =  172.18594600024707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.69787474794182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.2185894588497

n =  7413
somme des inverses des racines des entiers jusqu a n =  170.74301366742813
2*sqrt(n) =  172.19756095833645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.70935479877974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.23027187056482

n =  7414
somme des inverses des racines des entiers jusqu a n =  170.7546274504827
2*sqrt(n) =  172.20917513303408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.72083408442342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.2419534897894

n =  7415
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somme des inverses des racines des entiers jusqu a n =  170.7662404503832
2*sqrt(n) =  172.2207885244984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.73231260502638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.2536343166844

n =  7416
somme des inverses des racines des entiers jusqu a n =  170.77785266728807
2*sqrt(n) =  172.23240113288787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.7437903607422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.26531435141072

n =  7417
somme des inverses des racines des entiers jusqu a n =  170.78946410135563
2*sqrt(n) =  172.2440129583609
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.75526735172437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.27699359412918

n =  7418
somme des inverses des racines des entiers jusqu a n =  170.80107475274423
2*sqrt(n) =  172.2556240010758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.76674357812627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.28867204500057

n =  7419
somme des inverses des racines des entiers jusqu a n =  170.81268462161208
2*sqrt(n) =  172.26723426119082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.7782190401013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.30034970418558

n =  7420
somme des inverses des racines des entiers jusqu a n =  170.82429370811738
2*sqrt(n) =  172.27884373886423
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.7896937378028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.31202657184494

n =  7421
somme des inverses des racines des entiers jusqu a n =  170.8359020124183
2*sqrt(n) =  172.29045243425418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.80116767138404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.32370264813923

n =  7422
somme des inverses des racines des entiers jusqu a n =  170.84750953467292
2*sqrt(n) =  172.30206034751876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.81264084099823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.33537793322904

n =  7423
somme des inverses des racines des entiers jusqu a n =  170.85911627503927
2*sqrt(n) =  172.3136674788161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.82411324679853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.34705242727486

n =  7424
somme des inverses des racines des entiers jusqu a n =  170.87072223367534
2*sqrt(n) =  172.32527382830412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.8355848889381
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.35872613043713

n =  7425
somme des inverses des racines des entiers jusqu a n =  170.88232741073904
2*sqrt(n) =  172.33687939614086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.84705576756997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.3703990428763
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n =  7426
somme des inverses des racines des entiers jusqu a n =  170.89393180638828
2*sqrt(n) =  172.34848418248419
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.85852588284718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.3820711647527

n =  7427
somme des inverses des racines des entiers jusqu a n =  170.90553542078086
2*sqrt(n) =  172.36008818749195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.86999523492267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.3937424962266

n =  7428
somme des inverses des racines des entiers jusqu a n =  170.9171382540746
2*sqrt(n) =  172.37169141132193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.88146382394933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.40541303745823

n =  7429
somme des inverses des racines des entiers jusqu a n =  170.92874030642713
2*sqrt(n) =  172.38329385413192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.89293165008013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.41708278860781

n =  7430
somme des inverses des racines des entiers jusqu a n =  170.94034157799618
2*sqrt(n) =  172.3948955160796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.9043987134678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.4287517498355

n =  7431
somme des inverses des racines des entiers jusqu a n =  170.95194206893933
2*sqrt(n) =  172.40649639732257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.9158650142651
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.4404199213013

n =  7432
somme des inverses des racines des entiers jusqu a n =  170.96354177941416
2*sqrt(n) =  172.41809649801846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.9273305526248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.45208730316529

n =  7433
somme des inverses des racines des entiers jusqu a n =  170.97514070957817
2*sqrt(n) =  172.42969581832475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.93879532869946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.4637538955874

n =  7434
somme des inverses des racines des entiers jusqu a n =  170.98673885958883
2*sqrt(n) =  172.44129435839898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.95025934264177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.47541969872756

n =  7435
somme des inverses des racines des entiers jusqu a n =  170.99833622960352
2*sqrt(n) =  172.45289211839852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.96172259460428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.48708471274566

n =  7436
somme des inverses des racines des entiers jusqu a n =  171.00993281977958
2*sqrt(n) =  172.46448909848078
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.97318508473944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.49874893780145

n =  7437
somme des inverses des racines des entiers jusqu a n =  171.02152863027433
2*sqrt(n) =  172.4760852988031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.98464681319982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.51041237405474

n =  7438
somme des inverses des racines des entiers jusqu a n =  171.03312366124499
2*sqrt(n) =  172.4876807195227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  160.9961077801377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.52207502166522

n =  7439
somme des inverses des racines des entiers jusqu a n =  171.04471791284874
2*sqrt(n) =  172.49927536079682
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.00756798570546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.53373688079247

n =  7440
somme des inverses des racines des entiers jusqu a n =  171.05631138524274
2*sqrt(n) =  172.5108692227826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.01902743005544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.54539795159616

n =  7441
somme des inverses des racines des entiers jusqu a n =  171.06790407858406
2*sqrt(n) =  172.52246230563716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.03048611333992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.5570582342358

n =  7442
somme des inverses des racines des entiers jusqu a n =  171.07949599302975
2*sqrt(n) =  172.5340546095176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.04194403571103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.56871772887087

n =  7443
somme des inverses des racines des entiers jusqu a n =  171.09108712873677
2*sqrt(n) =  172.54564613458086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.05340119732097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.5803764356608

n =  7444
somme des inverses des racines des entiers jusqu a n =  171.10267748586205
2*sqrt(n) =  172.55723688098394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.0648575983218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.592034354765

n =  7445
somme des inverses des racines des entiers jusqu a n =  171.11426706456245
2*sqrt(n) =  172.5688268488837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.0763132388656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.60369148634274

n =  7446
somme des inverses des racines des entiers jusqu a n =  171.1258558649948
2*sqrt(n) =  172.580416038437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.08776811910434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.61534783055333

n =  7447
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somme des inverses des racines des entiers jusqu a n =  171.13744388731587
2*sqrt(n) =  172.59200444980064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.09922223919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.62700338755596

n =  7448
somme des inverses des racines des entiers jusqu a n =  171.14903113168236
2*sqrt(n) =  172.60359208313133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.11067559927443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.63865815750978

n =  7449
somme des inverses des racines des entiers jusqu a n =  171.16061759825092
2*sqrt(n) =  172.6151789385858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.12212819950955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.65031214057396

n =  7450
somme des inverses des racines des entiers jusqu a n =  171.1722032871782
2*sqrt(n) =  172.6267650163207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.1335800400471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.66196533690749

n =  7451
somme des inverses des racines des entiers jusqu a n =  171.18378819862073
2*sqrt(n) =  172.63835031649253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.1450311210388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.67361774666938

n =  7452
somme des inverses des racines des entiers jusqu a n =  171.19537233273502
2*sqrt(n) =  172.6499348392579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.15648144263642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.68526937001863

n =  7453
somme des inverses des racines des entiers jusqu a n =  171.2069556896775
2*sqrt(n) =  172.66151858477326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.16793100499157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.6969202071141

n =  7454
somme des inverses des racines des entiers jusqu a n =  171.2185382696046
2*sqrt(n) =  172.673101553195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.17937980825582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.7085702581146

n =  7455
somme des inverses des racines des entiers jusqu a n =  171.23012007267266
2*sqrt(n) =  172.68468374467957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.19082785258075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.720219523179

n =  7456
somme des inverses des racines des entiers jusqu a n =  171.24170109903795
2*sqrt(n) =  172.69626515938322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.20227513811778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.73186800246592

n =  7457
somme des inverses des racines des entiers jusqu a n =  171.25328134885675
2*sqrt(n) =  172.70784579746226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.21372166501845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.74351569613415
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n =  7458
somme des inverses des racines des entiers jusqu a n =  171.26486082228521
2*sqrt(n) =  172.71942565907287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.2251674334341
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.75516260434225

n =  7459
somme des inverses des racines des entiers jusqu a n =  171.2764395194795
2*sqrt(n) =  172.73100474437123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.23661244351607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.76680872724882

n =  7460
somme des inverses des racines des entiers jusqu a n =  171.2880174405957
2*sqrt(n) =  172.74258305351347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.24805669541567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.77845406501237

n =  7461
somme des inverses des racines des entiers jusqu a n =  171.2995945857898
2*sqrt(n) =  172.75416058665562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.2595001892841
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.79009861779136

n =  7462
somme des inverses des racines des entiers jusqu a n =  171.31117095521785
2*sqrt(n) =  172.7657373439537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.2709429252726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.80174238574426

n =  7463
somme des inverses des racines des entiers jusqu a n =  171.3227465490357
2*sqrt(n) =  172.77731332556365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.28238490353226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.81338536902933

n =  7464
somme des inverses des racines des entiers jusqu a n =  171.3343213673993
2*sqrt(n) =  172.78888853164142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.29382612421423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.825027567805

n =  7465
somme des inverses des racines des entiers jusqu a n =  171.34589541046444
2*sqrt(n) =  172.80046296234278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.3052665874695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.8366689822294

n =  7466
somme des inverses des racines des entiers jusqu a n =  171.35746867838688
2*sqrt(n) =  172.8120366178236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.31670629344907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.84830961246087

n =  7467
somme des inverses des racines des entiers jusqu a n =  171.36904117132235
2*sqrt(n) =  172.82360949823956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.32814524230386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.8599494586574

n =  7468
somme des inverses des racines des entiers jusqu a n =  171.38061288942652
2*sqrt(n) =  172.8351816037464
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.3395834341848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.8715885209772

n =  7469
somme des inverses des racines des entiers jusqu a n =  171.39218383285498
2*sqrt(n) =  172.84675293449976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.3510208692427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.8832267995783

n =  7470
somme des inverses des racines des entiers jusqu a n =  171.40375400176333
2*sqrt(n) =  172.8583234906552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.36245754762834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.89486429461863

n =  7471
somme des inverses des racines des entiers jusqu a n =  171.41532339630706
2*sqrt(n) =  172.86989327236827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.3738934694925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.90650100625618

n =  7472
somme des inverses des racines des entiers jusqu a n =  171.42689201664163
2*sqrt(n) =  172.88146227979448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.3853286349858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.9181369346488

n =  7473
somme des inverses des racines des entiers jusqu a n =  171.43845986292246
2*sqrt(n) =  172.89303051308923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.39676304425893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.92977207995438

n =  7474
somme des inverses des racines des entiers jusqu a n =  171.4500269353049
2*sqrt(n) =  172.90459797240788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.40819669746247
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.9414064423306

n =  7475
somme des inverses des racines des entiers jusqu a n =  171.46159323394423
2*sqrt(n) =  172.91616465790582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.41962959474694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.95304002193527

n =  7476
somme des inverses des racines des entiers jusqu a n =  171.4731587589957
2*sqrt(n) =  172.9277305697383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.43106173626285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.964672818926

n =  7477
somme des inverses des racines des entiers jusqu a n =  171.48472351061454
2*sqrt(n) =  172.9392957080605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.4424931221606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.97630483346046

n =  7478
somme des inverses des racines des entiers jusqu a n =  171.4962874889559
2*sqrt(n) =  172.95086007302768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.45392375259064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.9879360656962

n =  7479
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somme des inverses des racines des entiers jusqu a n =  171.5078506941748
2*sqrt(n) =  172.9624236647949
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.46535362770322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  177.99956651579072

n =  7480
somme des inverses des racines des entiers jusqu a n =  171.51941312642637
2*sqrt(n) =  172.97398648351722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.4767827476487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.0111961839015

n =  7481
somme des inverses des racines des entiers jusqu a n =  171.53097478586557
2*sqrt(n) =  172.9855485293497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.4882111125773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.0228250701859

n =  7482
somme des inverses des racines des entiers jusqu a n =  171.54253567264735
2*sqrt(n) =  172.99710980244728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.4996387226392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.0344531748013

n =  7483
somme des inverses des racines des entiers jusqu a n =  171.55409578692658
2*sqrt(n) =  173.00867030296487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.5110655779845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.04608049790505

n =  7484
somme des inverses des racines des entiers jusqu a n =  171.5656551288581
2*sqrt(n) =  173.02023003105734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.52249167876337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.05770703965433

n =  7485
somme des inverses des racines des entiers jusqu a n =  171.57721369859672
2*sqrt(n) =  173.03178898687952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.5339170251258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.06933280020638

n =  7486
somme des inverses des racines des entiers jusqu a n =  171.58877149629714
2*sqrt(n) =  173.04334717058615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.54534161722177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.08095777971832

n =  7487
somme des inverses des racines des entiers jusqu a n =  171.60032852211404
2*sqrt(n) =  173.05490458233191
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.55676545520123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.09258197834725

n =  7488
somme des inverses des racines des entiers jusqu a n =  171.61188477620206
2*sqrt(n) =  173.0664612222715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.56818853921408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.10420539625022

n =  7489
somme des inverses des racines des entiers jusqu a n =  171.6234402587158
2*sqrt(n) =  173.07801709055948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.57961086941012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.11582803358417
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n =  7490
somme des inverses des racines des entiers jusqu a n =  171.63499496980972
2*sqrt(n) =  173.08957218735046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.5910324459392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.12744989050609

n =  7491
somme des inverses des racines des entiers jusqu a n =  171.64654890963837
2*sqrt(n) =  173.10112651279886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.60245326895097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.13907096717278

n =  7492
somme des inverses des racines des entiers jusqu a n =  171.65810207835614
2*sqrt(n) =  173.11268006705922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.61387333859525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.1506912637412

n =  7493
somme des inverses des racines des entiers jusqu a n =  171.6696544761174
2*sqrt(n) =  173.12423285028586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.62529265502155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.16231078036802

n =  7494
somme des inverses des racines des entiers jusqu a n =  171.68120610307648
2*sqrt(n) =  173.1357848626332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.63671121837956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.17392951721

n =  7495
somme des inverses des racines des entiers jusqu a n =  171.69275695938762
2*sqrt(n) =  173.14733610425543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.64812902881874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.18554747442377

n =  7496
somme des inverses des racines des entiers jusqu a n =  171.70430704520507
2*sqrt(n) =  173.1588865753069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.65954608648863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.197164652166

n =  7497
somme des inverses des racines des entiers jusqu a n =  171.71585636068298
2*sqrt(n) =  173.17043627594174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.6709623915387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.20878105059327

n =  7498
somme des inverses des racines des entiers jusqu a n =  171.72740490597548
2*sqrt(n) =  173.18198520631412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.6823779441183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.22039666986205

n =  7499
somme des inverses des racines des entiers jusqu a n =  171.7389526812366
2*sqrt(n) =  173.1935333665781
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.6937927443767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.23201151012879

n =  7500
somme des inverses des racines des entiers jusqu a n =  171.7504996866204
2*sqrt(n) =  173.20508075688772
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.70520679246331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.24362557154993

n =  7501
somme des inverses des racines des entiers jusqu a n =  171.7620459222808
2*sqrt(n) =  173.216627377397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.71662008852738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.25523885428183

n =  7502
somme des inverses des racines des entiers jusqu a n =  171.77359138837173
2*sqrt(n) =  173.22817322825983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.728032632718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.26685135848075

n =  7503
somme des inverses des racines des entiers jusqu a n =  171.78513608504704
2*sqrt(n) =  173.23971830963015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.73944442518442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.278463084303

n =  7504
somme des inverses des racines des entiers jusqu a n =  171.79668001246054
2*sqrt(n) =  173.2512626216617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.75085546607565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.29007403190474

n =  7505
somme des inverses des racines des entiers jusqu a n =  171.80822317076598
2*sqrt(n) =  173.26280616450836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.7622657555408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.30168420144213

n =  7506
somme des inverses des racines des entiers jusqu a n =  171.81976556011705
2*sqrt(n) =  173.2743489383238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.77367529372884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.31329359307128

n =  7507
somme des inverses des racines des entiers jusqu a n =  171.8313071806674
2*sqrt(n) =  173.28589094326173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.78508408078875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.32490220694822

n =  7508
somme des inverses des racines des entiers jusqu a n =  171.84284803257069
2*sqrt(n) =  173.29743217947575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.79649211686936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.33651004322894

n =  7509
somme des inverses des racines des entiers jusqu a n =  171.8543881159804
2*sqrt(n) =  173.30897264711945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.80789940211957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.34811710206938

n =  7510
somme des inverses des racines des entiers jusqu a n =  171.86592743105007
2*sqrt(n) =  173.32051234634636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.81930593668818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.35972338362544

n =  7511
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somme des inverses des racines des entiers jusqu a n =  171.87746597793313
2*sqrt(n) =  173.33205127730994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.83071172072394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.37132888805294

n =  7512
somme des inverses des racines des entiers jusqu a n =  171.88900375678298
2*sqrt(n) =  173.3435894401636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.84211675437552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.38293361550765

n =  7513
somme des inverses des racines des entiers jusqu a n =  171.90054076775297
2*sqrt(n) =  173.35512683506076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.8535210377916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.39453756614535

n =  7514
somme des inverses des racines des entiers jusqu a n =  171.9120770109964
2*sqrt(n) =  173.3666634621547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.86492457112078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.40614074012166

n =  7515
somme des inverses des racines des entiers jusqu a n =  171.92361248666649
2*sqrt(n) =  173.3781993215987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.8763273545116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.41774313759223

n =  7516
somme des inverses des racines des entiers jusqu a n =  171.93514719491645
2*sqrt(n) =  173.38973441354594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.88772938811258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.4293447587126

n =  7517
somme des inverses des racines des entiers jusqu a n =  171.94668113589944
2*sqrt(n) =  173.40126873814967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.8991306720722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.4409456036384

n =  7518
somme des inverses des racines des entiers jusqu a n =  171.95821430976852
2*sqrt(n) =  173.41280229556295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.91053120653885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.45254567252502

n =  7519
somme des inverses des racines des entiers jusqu a n =  171.96974671667675
2*sqrt(n) =  173.42433508593885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.92193099166082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.46414496552785

n =  7520
somme des inverses des racines des entiers jusqu a n =  171.98127835677712
2*sqrt(n) =  173.4358671094304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.93333002758652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.47574348280233

n =  7521
somme des inverses des racines des entiers jusqu a n =  171.99280923022255
2*sqrt(n) =  173.44739836619055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.94472831446416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.48734122450375
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n =  7522
somme des inverses des racines des entiers jusqu a n =  172.00433933716593
2*sqrt(n) =  173.4589288563722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.95612585244194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.49893819078736

n =  7523
somme des inverses des racines des entiers jusqu a n =  172.01586867776012
2*sqrt(n) =  173.47045858012828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.96752264166807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.51053438180838

n =  7524
somme des inverses des racines des entiers jusqu a n =  172.0273972521579
2*sqrt(n) =  173.48198753761153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.9789186822906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.522129797722

n =  7525
somme des inverses des racines des entiers jusqu a n =  172.03892506051199
2*sqrt(n) =  173.49351572897473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  161.99031397445765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.53372443868327

n =  7526
somme des inverses des racines des entiers jusqu a n =  172.05045210297507
2*sqrt(n) =  173.50504315437058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.0017085183172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.54531830484726

n =  7527
somme des inverses des racines des entiers jusqu a n =  172.06197837969978
2*sqrt(n) =  173.51656981395178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.01310231401726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.55691139636903

n =  7528
somme des inverses des racines des entiers jusqu a n =  172.0735038908387
2*sqrt(n) =  173.5280957078709
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.0244953617057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.56850371340352

n =  7529
somme des inverses des racines des entiers jusqu a n =  172.0850286365444
2*sqrt(n) =  173.5396208362805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.03588766153038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.58009525610555

n =  7530
somme des inverses des racines des entiers jusqu a n =  172.09655261696932
2*sqrt(n) =  173.5511451993331
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.04727921363917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.59168602463006

n =  7531
somme des inverses des racines des entiers jusqu a n =  172.1080758322659
2*sqrt(n) =  173.56266879718115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.0586700181798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.6032760191318

n =  7532
somme des inverses des racines des entiers jusqu a n =  172.11959828258654
2*sqrt(n) =  173.57419162997707
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.07006007530003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.61486523976558

n =  7533
somme des inverses des racines des entiers jusqu a n =  172.13111996808354
2*sqrt(n) =  173.5857136978732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.0814493851475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.62645368668603

n =  7534
somme des inverses des racines des entiers jusqu a n =  172.1426408889092
2*sqrt(n) =  173.59723500102183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.09283794786984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.63804136004782

n =  7535
somme des inverses des racines des entiers jusqu a n =  172.15416104521574
2*sqrt(n) =  173.60875553957524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.10422576361464
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.64962826000553

n =  7536
somme des inverses des racines des entiers jusqu a n =  172.16568043715534
2*sqrt(n) =  173.62027531368565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.11561283252945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.66121438671374

n =  7537
somme des inverses des racines des entiers jusqu a n =  172.17719906488014
2*sqrt(n) =  173.63179432350518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.1269991547617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.6727997403269

n =  7538
somme des inverses des racines des entiers jusqu a n =  172.1887169285422
2*sqrt(n) =  173.64331256918592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.13838473045885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.68438432099947

n =  7539
somme des inverses des racines des entiers jusqu a n =  172.20023402829355
2*sqrt(n) =  173.65483005087995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.14976955976826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.6959681288858

n =  7540
somme des inverses des racines des entiers jusqu a n =  172.21175036428616
2*sqrt(n) =  173.6663467687393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.1611536428373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.70755116414028

n =  7541
somme des inverses des racines des entiers jusqu a n =  172.223265936672
2*sqrt(n) =  173.67786272291585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.1725369798132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.71913342691715

n =  7542
somme des inverses des racines des entiers jusqu a n =  172.23478074560288
2*sqrt(n) =  173.68937791356154
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.18391957084324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.73071491737068

n =  7543
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somme des inverses des racines des entiers jusqu a n =  172.24629479123067
2*sqrt(n) =  173.70089234082823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.1953014160746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.74229563565504

n =  7544
somme des inverses des racines des entiers jusqu a n =  172.25780807370714
2*sqrt(n) =  173.71240600486772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.20668251565442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.75387558192435

n =  7545
somme des inverses des racines des entiers jusqu a n =  172.269320593184
2*sqrt(n) =  173.72391890583174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.2180628697298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.7654547563327

n =  7546
somme des inverses des racines des entiers jusqu a n =  172.28083234981293
2*sqrt(n) =  173.73543104387198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.22944247844774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.77703315903412

n =  7547
somme des inverses des racines des entiers jusqu a n =  172.29234334374556
2*sqrt(n) =  173.74694241914014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.24082134195527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.78861079018256

n =  7548
somme des inverses des racines des entiers jusqu a n =  172.30385357513347
2*sqrt(n) =  173.75845303178778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.25219946039934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.80018764993198

n =  7549
somme des inverses des racines des entiers jusqu a n =  172.31536304412816
2*sqrt(n) =  173.76996288196645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.26357683392683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.81176373843627

n =  7550
somme des inverses des racines des entiers jusqu a n =  172.32687175088114
2*sqrt(n) =  173.78147196982766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.2749534626846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.8233390558492

n =  7551
somme des inverses des racines des entiers jusqu a n =  172.3383796955438
2*sqrt(n) =  173.79298029552288
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.28632934681946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.83491360232458

n =  7552
somme des inverses des racines des entiers jusqu a n =  172.34988687826754
2*sqrt(n) =  173.80448785920345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.29770448647812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.84648737801612

n =  7553
somme des inverses des racines des entiers jusqu a n =  172.36139329920366
2*sqrt(n) =  173.81599466102077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.30907888180732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.8580603830775
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n =  7554
somme des inverses des racines des entiers jusqu a n =  172.37289895850344
2*sqrt(n) =  173.82750070112613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.32045253295374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.86963261766232

n =  7555
somme des inverses des racines des entiers jusqu a n =  172.3844038563181
2*sqrt(n) =  173.83900597967073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.33182544006388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.88120408192415

n =  7556
somme des inverses des racines des entiers jusqu a n =  172.39590799279884
2*sqrt(n) =  173.85051049680584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.34319760328444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.89277477601652

n =  7557
somme des inverses des racines des entiers jusqu a n =  172.40741136809675
2*sqrt(n) =  173.86201425268257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.35456902276186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.90434470009293

n =  7558
somme des inverses des racines des entiers jusqu a n =  172.4189139823629
2*sqrt(n) =  173.87351724745204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.36593969864262
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.91591385430675

n =  7559
somme des inverses des racines des entiers jusqu a n =  172.43041583574836
2*sqrt(n) =  173.88501948126526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.37730963107308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.92748223881134

n =  7560
somme des inverses des racines des entiers jusqu a n =  172.44191692840405
2*sqrt(n) =  173.89652095427326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.3886788201997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.93904985376005

n =  7561
somme des inverses des racines des entiers jusqu a n =  172.45341726048093
2*sqrt(n) =  173.90802166662698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.4000472661687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.9506166993061

n =  7562
somme des inverses des racines des entiers jusqu a n =  172.46491683212986
2*sqrt(n) =  173.91952161847732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.41141496912644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.96218277560274

n =  7563
somme des inverses des racines des entiers jusqu a n =  172.47641564350167
2*sqrt(n) =  173.93102080997514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.42278192921913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.97374808280316

n =  7564
somme des inverses des racines des entiers jusqu a n =  172.48791369474714
2*sqrt(n) =  173.94251924127119
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.43414814659283
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.98531262106036

n =  7565
somme des inverses des racines des entiers jusqu a n =  172.49941098601695
2*sqrt(n) =  173.95401691251627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.44551362139381
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  178.9968763905275

n =  7566
somme des inverses des racines des entiers jusqu a n =  172.51090751746182
2*sqrt(n) =  173.96551382386107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.4568783537681
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.00843939135757

n =  7567
somme des inverses des racines des entiers jusqu a n =  172.52240328923236
2*sqrt(n) =  173.97700997545624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.46824234386173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.0200016237035

n =  7568
somme des inverses des racines des entiers jusqu a n =  172.53389830147916
2*sqrt(n) =  173.98850536745238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.47960559182067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.03156308771824

n =  7569
somme des inverses des racines des entiers jusqu a n =  172.54539255435273
2*sqrt(n) =  174.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.49096809779084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.0431237835546

n =  7570
somme des inverses des racines des entiers jusqu a n =  172.55688604800355
2*sqrt(n) =  174.01149387324966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.50232986191818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.0546837113654

n =  7571
somme des inverses des racines des entiers jusqu a n =  172.56837878258202
2*sqrt(n) =  174.02298698735177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.51369088434848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.06624287130342

n =  7572
somme des inverses des racines des entiers jusqu a n =  172.57987075823854
2*sqrt(n) =  174.03447934245673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.52505116522752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.07780126352134

n =  7573
somme des inverses des racines des entiers jusqu a n =  172.59136197512345
2*sqrt(n) =  174.04597093871493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.5364107047011
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.08935888817183

n =  7574
somme des inverses des racines des entiers jusqu a n =  172.602852433387
2*sqrt(n) =  174.05746177627663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.5477695029149
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.1009157454075

n =  7575
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somme des inverses des racines des entiers jusqu a n =  172.61434213317943
2*sqrt(n) =  174.0689518552921
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.55912756001456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.1124718353809

n =  7576
somme des inverses des racines des entiers jusqu a n =  172.6258310746509
2*sqrt(n) =  174.08044117591155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.57048487614563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.1240271582445

n =  7577
somme des inverses des racines des entiers jusqu a n =  172.63731925795156
2*sqrt(n) =  174.0919297382851
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.58184145145373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.1355817141508

n =  7578
somme des inverses des racines des entiers jusqu a n =  172.6488066832315
2*sqrt(n) =  174.1034175425629
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.59319728608438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.14713550325217

n =  7579
somme des inverses des racines des entiers jusqu a n =  172.66029335064073
2*sqrt(n) =  174.11490458889497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.60455238018295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.158688525701

n =  7580
somme des inverses des racines des entiers jusqu a n =  172.6717792603292
2*sqrt(n) =  174.12639087743133
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.61590673389492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.17024078164954

n =  7581
somme des inverses des racines des entiers jusqu a n =  172.68326441244687
2*sqrt(n) =  174.13787640832192
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.62726034736562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.18179227125006

n =  7582
somme des inverses des racines des entiers jusqu a n =  172.69474880714364
2*sqrt(n) =  174.14936118171664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.63861322074035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.19334299465478

n =  7583
somme des inverses des racines des entiers jusqu a n =  172.7062324445693
2*sqrt(n) =  174.16084519776538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.64996535416446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.20489295201585

n =  7584
somme des inverses des racines des entiers jusqu a n =  172.71771532487367
2*sqrt(n) =  174.17232845661792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.66131674778308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.21644214348535

n =  7585
somme des inverses des racines des entiers jusqu a n =  172.72919744820646
2*sqrt(n) =  174.18381095842403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.6726674017414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.22799056921534
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n =  7586
somme des inverses des racines des entiers jusqu a n =  172.74067881471737
2*sqrt(n) =  174.1952927033334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.68401731618457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.2395382293578

n =  7587
somme des inverses des racines des entiers jusqu a n =  172.752159424556
2*sqrt(n) =  174.2067736914957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.69536649125763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.25108512406473

n =  7588
somme des inverses des racines des entiers jusqu a n =  172.76363927787196
2*sqrt(n) =  174.21825392306053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.70671492710562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.26263125348797

n =  7589
somme des inverses des racines des entiers jusqu a n =  172.77511837481478
2*sqrt(n) =  174.22973339817747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.71806262387355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.27417661777943

n =  7590
somme des inverses des racines des entiers jusqu a n =  172.78659671553396
2*sqrt(n) =  174.24121211699602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.72940958170636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.28572121709087

n =  7591
somme des inverses des racines des entiers jusqu a n =  172.7980743001789
2*sqrt(n) =  174.25269007966563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.74075580074887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.29726505157402

n =  7592
somme des inverses des racines des entiers jusqu a n =  172.80955112889905
2*sqrt(n) =  174.26416728633572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.75210128114597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.3088081213806

n =  7593
somme des inverses des racines des entiers jusqu a n =  172.82102720184366
2*sqrt(n) =  174.27564373715566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.76344602304243
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.3203504266623

n =  7594
somme des inverses des racines des entiers jusqu a n =  172.8325025191621
2*sqrt(n) =  174.28711943227475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.77479002658302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.3318919675706

n =  7595
somme des inverses des racines des entiers jusqu a n =  172.84397708100354
2*sqrt(n) =  174.29859437184226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.7861332919124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.3434327442572

n =  7596
somme des inverses des racines des entiers jusqu a n =  172.85545088751724
2*sqrt(n) =  174.3100685560074
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.79747581917522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.35497275687348

n =  7597
somme des inverses des racines des entiers jusqu a n =  172.8669239388523
2*sqrt(n) =  174.32154198491935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.80881760851614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.36651200557097

n =  7598
somme des inverses des racines des entiers jusqu a n =  172.87839623515782
2*sqrt(n) =  174.33301465872722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.82015866007964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.378050490501

n =  7599
somme des inverses des racines des entiers jusqu a n =  172.88986777658286
2*sqrt(n) =  174.34448657758008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.83149897401032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.38958821181498

n =  7600
somme des inverses des racines des entiers jusqu a n =  172.9013385632764
2*sqrt(n) =  174.35595774162695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.84283855045254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.40112516966417

n =  7601
somme des inverses des racines des entiers jusqu a n =  172.91280859538736
2*sqrt(n) =  174.36742815101678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.85417738955076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.4126613641998

n =  7602
somme des inverses des racines des entiers jusqu a n =  172.92427787306468
2*sqrt(n) =  174.37889780589853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.86551549144934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.42419679557312

n =  7603
somme des inverses des racines des entiers jusqu a n =  172.93574639645718
2*sqrt(n) =  174.39036670642102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.8768528562926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.43573146393524

n =  7604
somme des inverses des racines des entiers jusqu a n =  172.94721416571366
2*sqrt(n) =  174.40183485273312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.8881894842248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.44726536943728

n =  7605
somme des inverses des racines des entiers jusqu a n =  172.9586811809829
2*sqrt(n) =  174.41330224498358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.8995253753902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.4587985122303

n =  7606
somme des inverses des racines des entiers jusqu a n =  172.97014744241355
2*sqrt(n) =  174.42476888332115
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.91086052993296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.47033089246526

n =  7607
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somme des inverses des racines des entiers jusqu a n =  172.9816129501543
2*sqrt(n) =  174.4362347678945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.92219494799718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.48186251029313

n =  7608
somme des inverses des racines des entiers jusqu a n =  172.99307770435374
2*sqrt(n) =  174.4476998988522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.93352862972696
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.4933933658648

n =  7609
somme des inverses des racines des entiers jusqu a n =  173.00454170516045
2*sqrt(n) =  174.4591642763429
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.94486157526637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.50492345933117

n =  7610
somme des inverses des racines des entiers jusqu a n =  173.0160049527229
2*sqrt(n) =  174.4706279005151
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.95619378475936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.51645279084295

n =  7611
somme des inverses des racines des entiers jusqu a n =  173.02746744718957
2*sqrt(n) =  174.4820907715173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.96752525834992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.527981360551

n =  7612
somme des inverses des racines des entiers jusqu a n =  173.03892918870883
2*sqrt(n) =  174.4935528894979
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.97885599618186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.53950916860592

n =  7613
somme des inverses des racines des entiers jusqu a n =  173.05039017742908
2*sqrt(n) =  174.5050142546053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  162.99018599839908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.5510362151584

n =  7614
somme des inverses des racines des entiers jusqu a n =  173.06185041349863
2*sqrt(n) =  174.51647486698783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.0015152651454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.56256250035906

n =  7615
somme des inverses des racines des entiers jusqu a n =  173.0733098970657
2*sqrt(n) =  174.5279347267938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.01284379656454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.57408802435842

n =  7616
somme des inverses des racines des entiers jusqu a n =  173.08476862827857
2*sqrt(n) =  174.53939383417142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.02417159280023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.585612787307

n =  7617
somme des inverses des racines des entiers jusqu a n =  173.09622660728536
2*sqrt(n) =  174.5508521892689
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.03549865399611
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.5971367893553
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n =  7618
somme des inverses des racines des entiers jusqu a n =  173.1076838342342
2*sqrt(n) =  174.56230979223437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.04682498029584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.60866003065365

n =  7619
somme des inverses des racines des entiers jusqu a n =  173.11914030927312
2*sqrt(n) =  174.5737666432159
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.05815057184287
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.6201825113524

n =  7620
somme des inverses des racines des entiers jusqu a n =  173.1305960325502
2*sqrt(n) =  174.58522274236157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.0694754287809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.6317042316019

n =  7621
somme des inverses des racines des entiers jusqu a n =  173.14205100421333
2*sqrt(n) =  174.59667808981933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.08079955125322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.6432251915524

n =  7622
somme des inverses des racines des entiers jusqu a n =  173.1535052244105
2*sqrt(n) =  174.6081326857372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.0921229394034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.65474539135408

n =  7623
somme des inverses des racines des entiers jusqu a n =  173.16495869328958
2*sqrt(n) =  174.61958653026298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.10344559337472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.66626483115712

n =  7624
somme des inverses des racines des entiers jusqu a n =  173.17641141099836
2*sqrt(n) =  174.63103962354458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.11476751331054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.67778351111158

n =  7625
somme des inverses des racines des entiers jusqu a n =  173.18786337768464
2*sqrt(n) =  174.64249196572982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.1260886993542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.68930143136762

n =  7626
somme des inverses des racines des entiers jusqu a n =  173.19931459349613
2*sqrt(n) =  174.6539435569664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.13740915164888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.70081859207514

n =  7627
somme des inverses des racines des entiers jusqu a n =  173.21076505858053
2*sqrt(n) =  174.66539439740203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.14872887033778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.71233499338413

n =  7628
somme des inverses des racines des entiers jusqu a n =  173.22221477308545
2*sqrt(n) =  174.67684448718438
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.16004785556407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.72385063544453

n =  7629
somme des inverses des racines des entiers jusqu a n =  173.2336637371585
2*sqrt(n) =  174.6882938264611
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.17136610747087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.7353655184062

n =  7630
somme des inverses des racines des entiers jusqu a n =  173.2451119509472
2*sqrt(n) =  174.69974241537966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.18268362620117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.74687964241892

n =  7631
somme des inverses des racines des entiers jusqu a n =  173.25655941459902
2*sqrt(n) =  174.71119025408763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.194000411898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.75839300763244

n =  7632
somme des inverses des racines des entiers jusqu a n =  173.26800612826142
2*sqrt(n) =  174.72263734273244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.2053164647043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.7699056141965

n =  7633
somme des inverses des racines des entiers jusqu a n =  173.27945209208175
2*sqrt(n) =  174.73408368146153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.21663178476305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.78141746226075

n =  7634
somme des inverses des racines des entiers jusqu a n =  173.2908973062074
2*sqrt(n) =  174.74552927042225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.22794637221708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.79292855197482

n =  7635
somme des inverses des racines des entiers jusqu a n =  173.30234177078563
2*sqrt(n) =  174.75697410976193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.2392602272092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.8044388834883

n =  7636
somme des inverses des racines des entiers jusqu a n =  173.3137854859637
2*sqrt(n) =  174.76841819962783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.2505733498822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.81594845695065

n =  7637
somme des inverses des racines des entiers jusqu a n =  173.32522845188882
2*sqrt(n) =  174.77986154016716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.26188574037877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.82745727251134

n =  7638
somme des inverses des racines des entiers jusqu a n =  173.3366706687081
2*sqrt(n) =  174.79130413152708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.27319739884163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.8389653303198

n =  7639
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somme des inverses des racines des entiers jusqu a n =  173.3481121365687
2*sqrt(n) =  174.80274597385477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.2845083254134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.85047263052545

n =  7640
somme des inverses des racines des entiers jusqu a n =  173.3595528556176
2*sqrt(n) =  174.81418706729727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.2958185202367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.86197917327755

n =  7641
somme des inverses des racines des entiers jusqu a n =  173.37099282600184
2*sqrt(n) =  174.82562741200158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.30712798345402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.87348495872536

n =  7642
somme des inverses des racines des entiers jusqu a n =  173.38243204786838
2*sqrt(n) =  174.83706700811473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.3184367152079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.88498998701814

n =  7643
somme des inverses des racines des entiers jusqu a n =  173.3938705213641
2*sqrt(n) =  174.84850585578363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.32974471564074
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.89649425830507

n =  7644
somme des inverses des racines des entiers jusqu a n =  173.4053082466359
2*sqrt(n) =  174.85994395515516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.341051984895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.90799777273523

n =  7645
somme des inverses des racines des entiers jusqu a n =  173.41674522383056
2*sqrt(n) =  174.87138130637615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.352358523113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.91950053045773

n =  7646
somme des inverses des racines des entiers jusqu a n =  173.42818145309485
2*sqrt(n) =  174.8828179095934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.36366433043705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.93100253162157

n =  7647
somme des inverses des racines des entiers jusqu a n =  173.4396169345755
2*sqrt(n) =  174.89425376495365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.37496940700942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.94250377637576

n =  7648
somme des inverses des racines des entiers jusqu a n =  173.45105166841915
2*sqrt(n) =  174.90568887260358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.38627375297233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.95400426486918

n =  7649
somme des inverses des racines des entiers jusqu a n =  173.46248565477245
2*sqrt(n) =  174.91712323268982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.39757736846795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.96550399725075
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n =  7650
somme des inverses des racines des entiers jusqu a n =  173.47391889378196
2*sqrt(n) =  174.92855684535903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.40888025363844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.9770029736693

n =  7651
somme des inverses des racines des entiers jusqu a n =  173.48535138559419
2*sqrt(n) =  174.93998971075766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.4201824086258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.98850119427357

n =  7652
somme des inverses des racines des entiers jusqu a n =  173.49678313035562
2*sqrt(n) =  174.9514218290323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.43148383357217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  179.9999986592124

n =  7653
somme des inverses des racines des entiers jusqu a n =  173.5082141282127
2*sqrt(n) =  174.96285320032936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.44278452861946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.01149536863431

n =  7654
somme des inverses des racines des entiers jusqu a n =  173.51964437931179
2*sqrt(n) =  174.97428382479524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.4540844939096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.02299132268806

n =  7655
somme des inverses des racines des entiers jusqu a n =  173.53107388379922
2*sqrt(n) =  174.9857137025763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.46538372958452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.03448652152218

n =  7656
somme des inverses des racines des entiers jusqu a n =  173.54250264182127
2*sqrt(n) =  174.99714283381886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.47668223578606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.04598096528525

n =  7657
somme des inverses des racines des entiers jusqu a n =  173.5539306535242
2*sqrt(n) =  175.00857121866918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.48798001265607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.05747465412574

n =  7658
somme des inverses des racines des entiers jusqu a n =  173.56535791905418
2*sqrt(n) =  175.01999885727346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.49927706033623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.06896758819207

n =  7659
somme des inverses des racines des entiers jusqu a n =  173.57678443855735
2*sqrt(n) =  175.03142574977787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.51057337896827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.08045976763265

n =  7660
somme des inverses des racines des entiers jusqu a n =  173.58821021217983
2*sqrt(n) =  175.04285189632853
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.5218689686939
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.09195119259584

n =  7661
somme des inverses des racines des entiers jusqu a n =  173.59963524006764
2*sqrt(n) =  175.05427729707148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.53316382965465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.10344186322988

n =  7662
somme des inverses des racines des entiers jusqu a n =  173.6110595223668
2*sqrt(n) =  175.0657019521528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.5444579619922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.1149317796831

n =  7663
somme des inverses des racines des entiers jusqu a n =  173.6224830592232
2*sqrt(n) =  175.07712586171843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.55575136584804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.12642094210364

n =  7664
somme des inverses des racines des entiers jusqu a n =  173.63390585078284
2*sqrt(n) =  175.08854902591432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.56704404136363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.13790935063966

n =  7665
somme des inverses des racines des entiers jusqu a n =  173.6453278971915
2*sqrt(n) =  175.0999714448863
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.5783359886804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.14939700543925

n =  7666
somme des inverses des racines des entiers jusqu a n =  173.656749198595
2*sqrt(n) =  175.11139311878026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.58962720793977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.1608839066505

n =  7667
somme des inverses des racines des entiers jusqu a n =  173.66816975513913
2*sqrt(n) =  175.12281404774194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.60091769928306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.17237005442138

n =  7668
somme des inverses des racines des entiers jusqu a n =  173.67958956696958
2*sqrt(n) =  175.13423423191708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.61220746285156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.18385544889983

n =  7669
somme des inverses des racines des entiers jusqu a n =  173.69100863423202
2*sqrt(n) =  175.1456536714514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.62349649878655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.19534009023383

n =  7670
somme des inverses des racines des entiers jusqu a n =  173.70242695707208
2*sqrt(n) =  175.15707236649052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.63478480722924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.20682397857118

n =  7671
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somme des inverses des racines des entiers jusqu a n =  173.7138445356353
2*sqrt(n) =  175.16849031718004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.64607238832076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.21830711405968

n =  7672
somme des inverses des racines des entiers jusqu a n =  173.72526137006724
2*sqrt(n) =  175.17990752366552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.65735924220226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.22978949684716

n =  7673
somme des inverses des racines des entiers jusqu a n =  173.73667746051336
2*sqrt(n) =  175.1913239860924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.66864536901474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.24127112708123

n =  7674
somme des inverses des racines des entiers jusqu a n =  173.7480928071191
2*sqrt(n) =  175.20273970460622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.6799307688993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.25275200490967

n =  7675
somme des inverses des racines des entiers jusqu a n =  173.7595074100298
2*sqrt(n) =  175.2141546793523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.69121544199692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.26423213048

n =  7676
somme des inverses des racines des entiers jusqu a n =  173.77092126939084
2*sqrt(n) =  175.22556891047608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.7024993884485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.27571150393987

n =  7677
somme des inverses des racines des entiers jusqu a n =  173.78233438534747
2*sqrt(n) =  175.2369823981228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.7137826083949
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.28719012543672

n =  7678
somme des inverses des racines des entiers jusqu a n =  173.79374675804493
2*sqrt(n) =  175.24839514243774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.725065101977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.2986679951181

n =  7679
somme des inverses des racines des entiers jusqu a n =  173.80515838762844
2*sqrt(n) =  175.25980714356615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.73634686933562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.31014511313143

n =  7680
somme des inverses des racines des entiers jusqu a n =  173.81656927424314
2*sqrt(n) =  175.27121840165316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.74762791061144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.321621479624

n =  7681
somme des inverses des racines des entiers jusqu a n =  173.8279794180341
2*sqrt(n) =  175.2826289168439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.75890822594522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.33309709474324
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n =  7682
somme des inverses des racines des entiers jusqu a n =  173.8393888191464
2*sqrt(n) =  175.29403868928344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.77018781547758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.34457195863635

n =  7683
somme des inverses des racines des entiers jusqu a n =  173.85079747772502
2*sqrt(n) =  175.3054477191168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.7814666793492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.35604607145063

n =  7684
somme des inverses des racines des entiers jusqu a n =  173.86220539391493
2*sqrt(n) =  175.31685600648902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.79274481770057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.36751943333323

n =  7685
somme des inverses des racines des entiers jusqu a n =  173.87361256786104
2*sqrt(n) =  175.32826355154492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.80402223067222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.37899204443127

n =  7686
somme des inverses des racines des entiers jusqu a n =  173.8850189997082
2*sqrt(n) =  175.3396703544295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.81529891840472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.3904639048919

n =  7687
somme des inverses des racines des entiers jusqu a n =  173.89642468960122
2*sqrt(n) =  175.3510764152875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.82657488103837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.40193501486206

n =  7688
somme des inverses des racines des entiers jusqu a n =  173.90782963768487
2*sqrt(n) =  175.36248173426378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.83785011871365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.41340537448883

n =  7689
somme des inverses des racines des entiers jusqu a n =  173.91923384410387
2*sqrt(n) =  175.37388631150307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.8491246315709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.42487498391915

n =  7690
somme des inverses des racines des entiers jusqu a n =  173.93063730900292
2*sqrt(n) =  175.38529014715002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.86039841975034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.43634384329985

n =  7691
somme des inverses des racines des entiers jusqu a n =  173.9420400325266
2*sqrt(n) =  175.39669324134934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.87167148339228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.44781195277787

n =  7692
somme des inverses des racines des entiers jusqu a n =  173.9534420148195
2*sqrt(n) =  175.4080955942456
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.88294382263692
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.45927931249992

n =  7693
somme des inverses des racines des entiers jusqu a n =  173.96484325602617
2*sqrt(n) =  175.41949720598336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.89421543762444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.47074592261282

n =  7694
somme des inverses des racines des entiers jusqu a n =  173.9762437562911
2*sqrt(n) =  175.4308980767071
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.90548632849487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.4822117832632

n =  7695
somme des inverses des racines des entiers jusqu a n =  173.98764351575872
2*sqrt(n) =  175.44229820656136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.9167564953884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.49367689459785

n =  7696
somme des inverses des racines des entiers jusqu a n =  173.99904253457342
2*sqrt(n) =  175.45369759569047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.92802593844493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.50514125676324

n =  7697
somme des inverses des racines des entiers jusqu a n =  174.01044081287952
2*sqrt(n) =  175.46509624423885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.93929465780454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.51660486990602

n =  7698
somme des inverses des racines des entiers jusqu a n =  174.02183835082135
2*sqrt(n) =  175.4764941523508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.9505626536071
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.52806773417262

n =  7699
somme des inverses des racines des entiers jusqu a n =  174.03323514854316
2*sqrt(n) =  175.48789132017058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.96182992599253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.5395298497096

n =  7700
somme des inverses des racines des entiers jusqu a n =  174.0446312061891
2*sqrt(n) =  175.49928774784243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.97309647510065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.5509912166633

n =  7701
somme des inverses des racines des entiers jusqu a n =  174.0560265239034
2*sqrt(n) =  175.51068343551054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.9843623010713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.56245183518016

n =  7702
somme des inverses des racines des entiers jusqu a n =  174.06742110183012
2*sqrt(n) =  175.52207838331907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  163.99562740404423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.5739117054065

n =  7703
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somme des inverses des racines des entiers jusqu a n =  174.07881494011335
2*sqrt(n) =  175.53347259141202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.00689178415905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.5853708274885

n =  7704
somme des inverses des racines des entiers jusqu a n =  174.0902080388971
2*sqrt(n) =  175.54486605993353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.01815544155556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.5968292015725

n =  7705
somme des inverses des racines des entiers jusqu a n =  174.10160039832533
2*sqrt(n) =  175.5562587890275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.0294183763733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.60828682780462

n =  7706
somme des inverses des racines des entiers jusqu a n =  174.11299201854197
2*sqrt(n) =  175.56765077883796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.04068058875185
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.619743706331

n =  7707
somme des inverses des racines des entiers jusqu a n =  174.1243828996909
2*sqrt(n) =  175.57904202950874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.05194207883076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.63119983729774

n =  7708
somme des inverses des racines des entiers jusqu a n =  174.1357730419159
2*sqrt(n) =  175.59043254118376
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.0632028467495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.64265522085088

n =  7709
somme des inverses des racines des entiers jusqu a n =  174.14716244536083
2*sqrt(n) =  175.60182231400674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.0744628926475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.65410985713638

n =  7710
somme des inverses des racines des entiers jusqu a n =  174.1585511101694
2*sqrt(n) =  175.61321134812152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.08572221666415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.6655637463002

n =  7711
somme des inverses des racines des entiers jusqu a n =  174.16993903648532
2*sqrt(n) =  175.6245996436718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.09698081893882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.67701688848825

n =  7712
somme des inverses des racines des entiers jusqu a n =  174.18132622445216
2*sqrt(n) =  175.6359872008012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.1082386996108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.6884692838464

n =  7713
somme des inverses des racines des entiers jusqu a n =  174.1927126742136
2*sqrt(n) =  175.64737401965337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.11949585881936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.69992093252037
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n =  7714
somme des inverses des racines des entiers jusqu a n =  174.2040983859131
2*sqrt(n) =  175.6587601003719
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.13075229670372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.71137183465598

n =  7715
somme des inverses des racines des entiers jusqu a n =  174.21548335969425
2*sqrt(n) =  175.67014544310027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.142008013403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.7228219903989

n =  7716
somme des inverses des racines des entiers jusqu a n =  174.22686759570047
2*sqrt(n) =  175.681530047982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.1532630090564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.7342713998948

n =  7717
somme des inverses des racines des entiers jusqu a n =  174.23825109407517
2*sqrt(n) =  175.69291391516052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.16451728380292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.74572006328933

n =  7718
somme des inverses des racines des entiers jusqu a n =  174.24963385496173
2*sqrt(n) =  175.7042970447792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.17577083778164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.75716798072798

n =  7719
somme des inverses des racines des entiers jusqu a n =  174.26101587850346
2*sqrt(n) =  175.7156794369814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.18702367113153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.76861515235632

n =  7720
somme des inverses des racines des entiers jusqu a n =  174.2723971648436
2*sqrt(n) =  175.72706109191037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.19827578399156
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.7800615783198

n =  7721
somme des inverses des racines des entiers jusqu a n =  174.2837777141254
2*sqrt(n) =  175.73844200970942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.20952717650061
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.79150725876383

n =  7722
somme des inverses des racines des entiers jusqu a n =  174.29515752649203
2*sqrt(n) =  175.7498221905217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.22077784879752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.8029521938338

n =  7723
somme des inverses des racines des entiers jusqu a n =  174.30653660208665
2*sqrt(n) =  175.76120163449042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.23202780102116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.81439638367505

n =  7724
somme des inverses des racines des entiers jusqu a n =  174.31791494105232
2*sqrt(n) =  175.77258034175864
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.24327703331025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.82583982843283

n =  7725
somme des inverses des racines des entiers jusqu a n =  174.3292925435321
2*sqrt(n) =  175.78395831246945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.25452554580352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.83728252825242

n =  7726
somme des inverses des racines des entiers jusqu a n =  174.34066940966895
2*sqrt(n) =  175.79533554676587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.26577333863963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.84872448327897

n =  7727
somme des inverses des racines des entiers jusqu a n =  174.35204553960585
2*sqrt(n) =  175.80671204479083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.27702041195724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.86016569365762

n =  7728
somme des inverses des racines des entiers jusqu a n =  174.36342093348568
2*sqrt(n) =  175.8180878066873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.28826676589495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.87160615953346

n =  7729
somme des inverses des racines des entiers jusqu a n =  174.37479559145132
2*sqrt(n) =  175.8294628325981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.29951240059123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.88304588105152

n =  7730
somme des inverses des racines des entiers jusqu a n =  174.38616951364554
2*sqrt(n) =  175.84083712266613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.31075731618466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.89448485835686

n =  7731
somme des inverses des racines des entiers jusqu a n =  174.39754270021112
2*sqrt(n) =  175.85221067703415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.32200151281367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.9059230915944

n =  7732
somme des inverses des racines des entiers jusqu a n =  174.40891515129078
2*sqrt(n) =  175.86358349584486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.33324499061663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.91736058090896

n =  7733
somme des inverses des racines des entiers jusqu a n =  174.4202868670272
2*sqrt(n) =  175.874955579241
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.34448774973197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.9287973264455

n =  7734
somme des inverses des racines des entiers jusqu a n =  174.43165784756297
2*sqrt(n) =  175.88632692736522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.35572979029797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.94023332834882

n =  7735
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somme des inverses des racines des entiers jusqu a n =  174.4430280930407
2*sqrt(n) =  175.8976975403601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.36697111245294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.95166858676367

n =  7736
somme des inverses des racines des entiers jusqu a n =  174.4543976036029
2*sqrt(n) =  175.90906741836818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.37821171633504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.96310310183475

n =  7737
somme des inverses des racines des entiers jusqu a n =  174.46576637939205
2*sqrt(n) =  175.920436561532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.38945160208254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.9745368737067

n =  7738
somme des inverses des racines des entiers jusqu a n =  174.4771344205506
2*sqrt(n) =  175.93180496999398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.40069076983352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.9859699025242

n =  7739
somme des inverses des racines des entiers jusqu a n =  174.48850172722098
2*sqrt(n) =  175.9431726438966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.41192921972612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  180.9974021884318

n =  7740
somme des inverses des racines des entiers jusqu a n =  174.49986829954548
2*sqrt(n) =  175.95453958338217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.4231669518984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.00883373157404

n =  7741
somme des inverses des racines des entiers jusqu a n =  174.51123413766643
2*sqrt(n) =  175.96590578859303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.43440396648833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.02026453209538

n =  7742
somme des inverses des racines des entiers jusqu a n =  174.52259924172608
2*sqrt(n) =  175.97727125967148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.4456402636339
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.03169459014026

n =  7743
somme des inverses des racines des entiers jusqu a n =  174.53396361186665
2*sqrt(n) =  175.98863599675974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.45687584347303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.0431239058531

n =  7744
somme des inverses des racines des entiers jusqu a n =  174.54532724823028
2*sqrt(n) =  176.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.4681107061436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.0545524793782

n =  7745
somme des inverses des racines des entiers jusqu a n =  174.5566901509591
2*sqrt(n) =  176.0113632695344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.47934485178342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.06598031085989
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n =  7746
somme des inverses des racines des entiers jusqu a n =  174.5680523201952
2*sqrt(n) =  176.02272580550502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.49057828053031
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.07740740044235

n =  7747
somme des inverses des racines des entiers jusqu a n =  174.57941375608058
2*sqrt(n) =  176.0340876080539
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.50181099252202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.08883374826985

n =  7748
somme des inverses des racines des entiers jusqu a n =  174.59077445875724
2*sqrt(n) =  176.0454486773231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.5130429878962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.10025935448652

n =  7749
somme des inverses des racines des entiers jusqu a n =  174.6021344283671
2*sqrt(n) =  176.0568090134545
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.52427426679057
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.11168421923648

n =  7750
somme des inverses des racines des entiers jusqu a n =  174.61349366505203
2*sqrt(n) =  176.0681686165901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.5355048293427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.12310834266378

n =  7751
somme des inverses des racines des entiers jusqu a n =  174.6248521689539
2*sqrt(n) =  176.07952748687168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.54673467569017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.13453172491242

n =  7752
somme des inverses des racines des entiers jusqu a n =  174.6362099402145
2*sqrt(n) =  176.0908856244411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.55796380597053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.1459543661264

n =  7753
somme des inverses des racines des entiers jusqu a n =  174.6475669789756
2*sqrt(n) =  176.10224302944013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.56919222032118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.1573762664496

n =  7754
somme des inverses des racines des entiers jusqu a n =  174.65892328537888
2*sqrt(n) =  176.11359970201053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.58041991887967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.16879742602598

n =  7755
somme des inverses des racines des entiers jusqu a n =  174.670278859566
2*sqrt(n) =  176.1249556422939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.5916469017833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.18021784499922

n =  7756
somme des inverses des racines des entiers jusqu a n =  174.68163370167858
2*sqrt(n) =  176.13631085043198
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.60287316916944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.19163752351324

n =  7757
somme des inverses des racines des entiers jusqu a n =  174.6929878118582
2*sqrt(n) =  176.14766532656628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.61409872117542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.20305646171172

n =  7758
somme des inverses des racines des entiers jusqu a n =  174.70434119024637
2*sqrt(n) =  176.15901907083838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.6253235579385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.21447465973833

n =  7759
somme des inverses des racines des entiers jusqu a n =  174.71569383698457
2*sqrt(n) =  176.17037208338976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.63654767959582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.22589211773675

n =  7760
somme des inverses des racines des entiers jusqu a n =  174.72704575221422
2*sqrt(n) =  176.1817243643619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.64777108628465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.23730883585054

n =  7761
somme des inverses des racines des entiers jusqu a n =  174.73839693607673
2*sqrt(n) =  176.19307591389622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.65899377814208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.2487248142233

n =  7762
somme des inverses des racines des entiers jusqu a n =  174.74974738871342
2*sqrt(n) =  176.20442673213407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.6702157553052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.26014005299848

n =  7763
somme des inverses des racines des entiers jusqu a n =  174.7610971102656
2*sqrt(n) =  176.21577681921673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.68143701791107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.27155455231957

n =  7764
somme des inverses des racines des entiers jusqu a n =  174.77244610087453
2*sqrt(n) =  176.22712617528552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.6926575660966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.28296831232996

n =  7765
somme des inverses des racines des entiers jusqu a n =  174.78379436068138
2*sqrt(n) =  176.23847480048164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.70387739999885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.29438133317302

n =  7766
somme des inverses des racines des entiers jusqu a n =  174.79514188982733
2*sqrt(n) =  176.2498226949463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.7150965197547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.3057936149921

n =  7767
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somme des inverses des racines des entiers jusqu a n =  174.8064886884535
2*sqrt(n) =  176.26116985882058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.72631492550093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.3172051579304

n =  7768
somme des inverses des racines des entiers jusqu a n =  174.81783475670093
2*sqrt(n) =  176.27251629224563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.73753261737448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.3286159621312

n =  7769
somme des inverses des racines des entiers jusqu a n =  174.82918009471067
2*sqrt(n) =  176.28386199536246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.74874959551204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.34002602773765

n =  7770
somme des inverses des racines des entiers jusqu a n =  174.8405247026237
2*sqrt(n) =  176.2952069683121
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.75996586005041
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.35143535489294

n =  7771
somme des inverses des racines des entiers jusqu a n =  174.8518685805809
2*sqrt(n) =  176.30655121123547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.77118141112624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.36284394374007

n =  7772
somme des inverses des racines des entiers jusqu a n =  174.86321172872323
2*sqrt(n) =  176.31789472427351
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.78239624887618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.37425179442218

n =  7773
somme des inverses des racines des entiers jusqu a n =  174.87455414719147
2*sqrt(n) =  176.3292375075671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.79361037343688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.3856589070822

n =  7774
somme des inverses des racines des entiers jusqu a n =  174.88589583612648
2*sqrt(n) =  176.34057956125696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.8048237849448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.39706528186304

n =  7775
somme des inverses des racines des entiers jusqu a n =  174.89723679566896
2*sqrt(n) =  176.351920885484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.81603648353655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.4084709189077

n =  7776
somme des inverses des racines des entiers jusqu a n =  174.90857702595963
2*sqrt(n) =  176.36326148038881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.82724846934855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.41987581835895

n =  7777
somme des inverses des racines des entiers jusqu a n =  174.91991652713915
2*sqrt(n) =  176.3746013461122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.83845974251727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.43127998035968
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n =  7778
somme des inverses des racines des entiers jusqu a n =  174.93125529934812
2*sqrt(n) =  176.38594048279472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.84967030317904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.44268340505258

n =  7779
somme des inverses des racines des entiers jusqu a n =  174.94259334272712
2*sqrt(n) =  176.39727889057698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.8608801514702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.45408609258035

n =  7780
somme des inverses des racines des entiers jusqu a n =  174.9539306574167
2*sqrt(n) =  176.40861656959956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.87208928752713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.46548804308577

n =  7781
somme des inverses des racines des entiers jusqu a n =  174.9652672435573
2*sqrt(n) =  176.41995352000293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.88329771148602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.4768892567114

n =  7782
somme des inverses des racines des entiers jusqu a n =  174.97660310128936
2*sqrt(n) =  176.43128974192757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.89450542348308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.48828973359983

n =  7783
somme des inverses des racines des entiers jusqu a n =  174.9879382307533
2*sqrt(n) =  176.44262523551387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.90571242365448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.49968947389357

n =  7784
somme des inverses des racines des entiers jusqu a n =  174.99927263208943
2*sqrt(n) =  176.4539600009022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.91691871213638
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.51108847773514

n =  7785
somme des inverses des racines des entiers jusqu a n =  175.01060630543807
2*sqrt(n) =  176.4652940382329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.9281242890648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.52248674526695

n =  7786
somme des inverses des racines des entiers jusqu a n =  175.02193925093945
2*sqrt(n) =  176.47662734764623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.93932915457583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.53388427663143

n =  7787
somme des inverses des racines des entiers jusqu a n =  175.0332714687338
2*sqrt(n) =  176.48795992928243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.95053330880543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.54528107197092

n =  7788
somme des inverses des racines des entiers jusqu a n =  175.0446029589613
2*sqrt(n) =  176.49929178328168
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.9617367518896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.5566771314277

n =  7789
somme des inverses des racines des entiers jusqu a n =  175.05593372176202
2*sqrt(n) =  176.5106229097841
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.97293948396415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.56807245514406

n =  7790
somme des inverses des racines des entiers jusqu a n =  175.06726375727607
2*sqrt(n) =  176.52195330892982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.98414150516504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.5794670432622

n =  7791
somme des inverses des racines des entiers jusqu a n =  175.07859306564347
2*sqrt(n) =  176.53328298085887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  164.99534281562802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.5908608959243

n =  7792
somme des inverses des racines des entiers jusqu a n =  175.08992164700422
2*sqrt(n) =  176.54461192571128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.00654341548892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.60225401327247

n =  7793
somme des inverses des racines des entiers jusqu a n =  175.10124950149822
2*sqrt(n) =  176.555940143627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.01774330488345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.61364639544877

n =  7794
somme des inverses des racines des entiers jusqu a n =  175.1125766292654
2*sqrt(n) =  176.56726763474595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.0289424839473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.62503804259526

n =  7795
somme des inverses des racines des entiers jusqu a n =  175.12390303044558
2*sqrt(n) =  176.57859439920796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.04014095281607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.6364289548539

n =  7796
somme des inverses des racines des entiers jusqu a n =  175.13522870517858
2*sqrt(n) =  176.58992043715293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.05133871162548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.64781913236664

n =  7797
somme des inverses des racines des entiers jusqu a n =  175.14655365360417
2*sqrt(n) =  176.60124574872057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.06253576051097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.65920857527536

n =  7798
somme des inverses des racines des entiers jusqu a n =  175.15787787586206
2*sqrt(n) =  176.61257033405067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.07373209960812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.67059728372195

n =  7799
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somme des inverses des racines des entiers jusqu a n =  175.16920137209192
2*sqrt(n) =  176.62389419328292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.08492772905242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.68198525784817

n =  7800
somme des inverses des racines des entiers jusqu a n =  175.18052414243337
2*sqrt(n) =  176.63521732655693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.09612264897925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.69337249779576

n =  7801
somme des inverses des racines des entiers jusqu a n =  175.191846187026
2*sqrt(n) =  176.64653973401235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.10731685952405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.7047590037065

n =  7802
somme des inverses des racines des entiers jusqu a n =  175.20316750600932
2*sqrt(n) =  176.6578614157887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.11851036082209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.71614477572197

n =  7803
somme des inverses des racines des entiers jusqu a n =  175.21448809952284
2*sqrt(n) =  176.6691823720255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.12970315300873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.72752981398386

n =  7804
somme des inverses des racines des entiers jusqu a n =  175.225807967706
2*sqrt(n) =  176.68050260286222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.14089523621922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.73891411863372

n =  7805
somme des inverses des racines des entiers jusqu a n =  175.23712711069822
2*sqrt(n) =  176.6918221084383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.15208661058875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.75029768981304

n =  7806
somme des inverses des racines des entiers jusqu a n =  175.24844552863885
2*sqrt(n) =  176.70314088889307
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.16327727625253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.76168052766334

n =  7807
somme des inverses des racines des entiers jusqu a n =  175.25976322166719
2*sqrt(n) =  176.71445894436596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.17446723334567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.7730626323261

n =  7808
somme des inverses des racines des entiers jusqu a n =  175.2710801899225
2*sqrt(n) =  176.72577627499618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.18565648200325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.78444400394264

n =  7809
somme des inverses des racines des entiers jusqu a n =  175.282396433544
2*sqrt(n) =  176.737092880923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.19684502236032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.79582464265434
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n =  7810
somme des inverses des racines des entiers jusqu a n =  175.2937119526709
2*sqrt(n) =  176.7484087622856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.20803285455187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.80720454860247

n =  7811
somme des inverses des racines des entiers jusqu a n =  175.30502674744233
2*sqrt(n) =  176.75972391922318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.21921997871289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.81858372192832

n =  7812
somme des inverses des racines des entiers jusqu a n =  175.31634081799737
2*sqrt(n) =  176.77103835187484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.23040639497827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.8299621627731

n =  7813
somme des inverses des racines des entiers jusqu a n =  175.32765416447506
2*sqrt(n) =  176.7823520603796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.24159210348284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.84133987127797

n =  7814
somme des inverses des racines des entiers jusqu a n =  175.3389667870144
2*sqrt(n) =  176.79366504487655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.25277710436154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.85271684758405

n =  7815
somme des inverses des racines des entiers jusqu a n =  175.35027868575438
2*sqrt(n) =  176.80497730550462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.26396139774906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.86409309183242

n =  7816
somme des inverses des racines des entiers jusqu a n =  175.36158986083385
2*sqrt(n) =  176.81628884240274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.27514498378014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.87546860416404

n =  7817
somme des inverses des racines des entiers jusqu a n =  175.37290031239172
2*sqrt(n) =  176.82759965570986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.28632786258953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.88684338472

n =  7818
somme des inverses des racines des entiers jusqu a n =  175.3842100405668
2*sqrt(n) =  176.83890974556476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.29751003431187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.8982174336412

n =  7819
somme des inverses des racines des entiers jusqu a n =  175.39551904549788
2*sqrt(n) =  176.8502191121063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.3086914990818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.90959075106855

n =  7820
somme des inverses des racines des entiers jusqu a n =  175.40682732732367
2*sqrt(n) =  176.86152775547316
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.3198722570338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.92096333714284

n =  7821
somme des inverses des racines des entiers jusqu a n =  175.41813488618288
2*sqrt(n) =  176.8728356758041
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.3310523083025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.9323351920049

n =  7822
somme des inverses des racines des entiers jusqu a n =  175.42944172221416
2*sqrt(n) =  176.8841428732378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.34223165302234
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.94370631579554

n =  7823
somme des inverses des racines des entiers jusqu a n =  175.4407478355561
2*sqrt(n) =  176.89544934791286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.35341029132778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.95507670865538

n =  7824
somme des inverses des racines des entiers jusqu a n =  175.45205322634726
2*sqrt(n) =  176.90675509996785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.3645882233532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.96644637072518

n =  7825
somme des inverses des racines des entiers jusqu a n =  175.46335789472616
2*sqrt(n) =  176.91806012954132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.37576544923297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.9778153021455

n =  7826
somme des inverses des racines des entiers jusqu a n =  175.47466184083123
2*sqrt(n) =  176.92936443677178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.38694196910143
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  181.98918350305695

n =  7827
somme des inverses des racines des entiers jusqu a n =  175.48596506480095
2*sqrt(n) =  176.94066802179765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.3981177830928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.00055097360007

n =  7828
somme des inverses des racines des entiers jusqu a n =  175.49726756677367
2*sqrt(n) =  176.95197088475732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.40929289134135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.0119177139153

n =  7829
somme des inverses des racines des entiers jusqu a n =  175.50856934688773
2*sqrt(n) =  176.96327302578916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.42046729398126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.0232837241431

n =  7830
somme des inverses des racines des entiers jusqu a n =  175.5198704052814
2*sqrt(n) =  176.97457444503152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.43164099114668
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.03464900442395

n =  7831
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somme des inverses des racines des entiers jusqu a n =  175.53117074209297
2*sqrt(n) =  176.9858751426226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.44281398297167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.04601355489808

n =  7832
somme des inverses des racines des entiers jusqu a n =  175.54247035746062
2*sqrt(n) =  176.99717511870068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.45398626959033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.05737737570584

n =  7833
somme des inverses des racines des entiers jusqu a n =  175.55376925152248
2*sqrt(n) =  177.00847437340394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.4651578511367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.06874046698755

n =  7834
somme des inverses des racines des entiers jusqu a n =  175.56506742441672
2*sqrt(n) =  177.0197729068705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.47632872774471
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.08010282888335

n =  7835
somme des inverses des racines des entiers jusqu a n =  175.5763648762814
2*sqrt(n) =  177.03107071923844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.4874988995483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.0914644615335

n =  7836
somme des inverses des racines des entiers jusqu a n =  175.5876616072545
2*sqrt(n) =  177.04236781064583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.49866836668141
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.10282536507805

n =  7837
somme des inverses des racines des entiers jusqu a n =  175.59895761747404
2*sqrt(n) =  177.05366418123066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.5098371292778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.1141855396571

n =  7838
somme des inverses des racines des entiers jusqu a n =  175.61025290707798
2*sqrt(n) =  177.0649598311309
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.52100518747133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.12554498541067

n =  7839
somme des inverses des racines des entiers jusqu a n =  175.62154747620417
2*sqrt(n) =  177.07625476048446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.53217254139574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.1369037024788

n =  7840
somme des inverses des racines des entiers jusqu a n =  175.6328413249905
2*sqrt(n) =  177.08754896942924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.5433391911848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.14826169100147

n =  7841
somme des inverses des racines des entiers jusqu a n =  175.64413445357474
2*sqrt(n) =  177.09884245810304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.55450513697213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.1596189511185
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n =  7842
somme des inverses des racines des entiers jusqu a n =  175.65542686209466
2*sqrt(n) =  177.11013522664365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.56567037889138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.1709754829698

n =  7843
somme des inverses des racines des entiers jusqu a n =  175.666718550688
2*sqrt(n) =  177.1214272751888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.57683491707616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.18233128669513

n =  7844
somme des inverses des racines des entiers jusqu a n =  175.6780095194924
2*sqrt(n) =  177.13271860387624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.58799875166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.19368636243436

n =  7845
somme des inverses des racines des entiers jusqu a n =  175.68929976864555
2*sqrt(n) =  177.14400921284354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.5991618827764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.2050407103271

n =  7846
somme des inverses des racines des entiers jusqu a n =  175.700589298285
2*sqrt(n) =  177.15529910222838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.6103243105589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.21639433051314

n =  7847
somme des inverses des racines des entiers jusqu a n =  175.7118781085483
2*sqrt(n) =  177.1665882721683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.62148603514083
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.22774722313204

n =  7848
somme des inverses des racines des entiers jusqu a n =  175.72316619957294
2*sqrt(n) =  177.17787672280082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.63264705665563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.2390993883234

n =  7849
somme des inverses des racines des entiers jusqu a n =  175.7344535714964
2*sqrt(n) =  177.1891644542634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.64380737523658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.2504508262268

n =  7850
somme des inverses des racines des entiers jusqu a n =  175.74574022445606
2*sqrt(n) =  177.2004514666935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.65496699101703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.26180153698172

n =  7851
somme des inverses des racines des entiers jusqu a n =  175.7570261585893
2*sqrt(n) =  177.21173776022852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.66612590413027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.27315152072765

n =  7852
somme des inverses des racines des entiers jusqu a n =  175.76831137403346
2*sqrt(n) =  177.22302333500576
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.6772841147094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.28450077760394

n =  7853
somme des inverses des racines des entiers jusqu a n =  175.77959587092582
2*sqrt(n) =  177.23430819116257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.6884416228877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.29584930775

n =  7854
somme des inverses des racines des entiers jusqu a n =  175.7908796494036
2*sqrt(n) =  177.2455923288362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.69959842879825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.3071971113052

n =  7855
somme des inverses des racines des entiers jusqu a n =  175.80216270960398
2*sqrt(n) =  177.25687574816385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.71075453257413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.3185441884087

n =  7856
somme des inverses des racines des entiers jusqu a n =  175.81344505166413
2*sqrt(n) =  177.2681584492827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.72190993434842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.32989053919985

n =  7857
somme des inverses des racines des entiers jusqu a n =  175.82472667572117
2*sqrt(n) =  177.2794404323299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.73306463425408
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.3412361638178

n =  7858
somme des inverses des racines des entiers jusqu a n =  175.83600758191216
2*sqrt(n) =  177.29072169744248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.74421863242407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.35258106240167

n =  7859
somme des inverses des racines des entiers jusqu a n =  175.8472877703741
2*sqrt(n) =  177.30200224475752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.75537192899134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.3639252350906

n =  7860
somme des inverses des racines des entiers jusqu a n =  175.85856724124397
2*sqrt(n) =  177.313282074412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.76652452408877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.37526868202363

n =  7861
somme des inverses des racines des entiers jusqu a n =  175.8698459946587
2*sqrt(n) =  177.32456118654292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.77767641784916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.3866114033398

n =  7862
somme des inverses des racines des entiers jusqu a n =  175.8811240307552
2*sqrt(n) =  177.33583958128713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.78882761040532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.39795339917802

n =  7863
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somme des inverses des racines des entiers jusqu a n =  175.89240134967028
2*sqrt(n) =  177.3471172587815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.79997810189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.40929466967725

n =  7864
somme des inverses des racines des entiers jusqu a n =  175.90367795154077
2*sqrt(n) =  177.3583942191629
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.8111278924359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.42063521497641

n =  7865
somme des inverses des racines des entiers jusqu a n =  175.91495383650343
2*sqrt(n) =  177.36967046256808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.8222769821757
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.43197503521426

n =  7866
somme des inverses des racines des entiers jusqu a n =  175.92622900469496
2*sqrt(n) =  177.3809459891338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.83342537124204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.44331413052967

n =  7867
somme des inverses des racines des entiers jusqu a n =  175.93750345625205
2*sqrt(n) =  177.3922207989967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.84457305976747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.45465250106133

n =  7868
somme des inverses des racines des entiers jusqu a n =  175.94877719131128
2*sqrt(n) =  177.40349489229348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.85572004788455
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.46599014694795

n =  7869
somme des inverses des racines des entiers jusqu a n =  175.96005021000929
2*sqrt(n) =  177.41476826916073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.86686633572575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.4773270683282

n =  7870
somme des inverses des racines des entiers jusqu a n =  175.97132251248257
2*sqrt(n) =  177.426040929735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.87801192342354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.4886632653407

n =  7871
somme des inverses des racines des entiers jusqu a n =  175.98259409886768
2*sqrt(n) =  177.43731287415284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.88915681111038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.49999873812405

n =  7872
somme des inverses des racines des entiers jusqu a n =  175.99386496930103
2*sqrt(n) =  177.44858410255068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.9003009989186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.5113334868167

n =  7873
somme des inverses des racines des entiers jusqu a n =  176.00513512391902
2*sqrt(n) =  177.45985461506498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.9114444869805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.52266751155722
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n =  7874
somme des inverses des racines des entiers jusqu a n =  176.01640456285804
2*sqrt(n) =  177.47112441183214
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.92258727542847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.53400081248398

n =  7875
somme des inverses des racines des entiers jusqu a n =  176.0276732862544
2*sqrt(n) =  177.48239349298848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.93372936439465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.5453333897354

n =  7876
somme des inverses des racines des entiers jusqu a n =  176.03894129424444
2*sqrt(n) =  177.49366185867032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.9448707540113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.55666524344983

n =  7877
somme des inverses des racines des entiers jusqu a n =  176.05020858696432
2*sqrt(n) =  177.50492950901392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.9560114444106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.56799637376557

n =  7878
somme des inverses des racines des entiers jusqu a n =  176.06147516455027
2*sqrt(n) =  177.5161964441555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.96715143572465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.5793267808209

n =  7879
somme des inverses des racines des entiers jusqu a n =  176.07274102713842
2*sqrt(n) =  177.5274626642312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.9782907280855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.59065646475403

n =  7880
somme des inverses des racines des entiers jusqu a n =  176.0840061748649
2*sqrt(n) =  177.53872816937718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  165.98942932162527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.60198542570313

n =  7881
somme des inverses des racines des entiers jusqu a n =  176.09527060786576
2*sqrt(n) =  177.5499929597295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.00056721647587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.61331366380634

n =  7882
somme des inverses des racines des entiers jusqu a n =  176.10653432627703
2*sqrt(n) =  177.56125703542426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.01170441276932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.62464117920175

n =  7883
somme des inverses des racines des entiers jusqu a n =  176.1177973302347
2*sqrt(n) =  177.5725203965974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.0228409106375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.63596797202737

n =  7884
somme des inverses des racines des entiers jusqu a n =  176.1290596198747
2*sqrt(n) =  177.5837830433849
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.0339767102123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.6472940424212

n =  7885
somme des inverses des racines des entiers jusqu a n =  176.14032119533292
2*sqrt(n) =  177.5950449759227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.04511181162556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.65861939052127

n =  7886
somme des inverses des racines des entiers jusqu a n =  176.15158205674518
2*sqrt(n) =  177.60630619434662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.05624621500905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.6699440164654

n =  7887
somme des inverses des racines des entiers jusqu a n =  176.16284220424734
2*sqrt(n) =  177.6175666987925
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.06737992049452
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.6812679203915

n =  7888
somme des inverses des racines des entiers jusqu a n =  176.17410163797513
2*sqrt(n) =  177.62882648939615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.07851292821368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.69259110243738

n =  7889
somme des inverses des racines des entiers jusqu a n =  176.18536035806426
2*sqrt(n) =  177.6400855662933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.0896452382982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.70391356274084

n =  7890
somme des inverses des racines des entiers jusqu a n =  176.19661836465042
2*sqrt(n) =  177.65134392961963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.10077685087973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.71523530143958

n =  7891
somme des inverses des racines des entiers jusqu a n =  176.20787565786924
2*sqrt(n) =  177.6626015795108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.1119077660898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.72655631867133

n =  7892
somme des inverses des racines des entiers jusqu a n =  176.21913223785631
2*sqrt(n) =  177.67385851610248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.12303798405998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.73787661457374

n =  7893
somme des inverses des racines des entiers jusqu a n =  176.2303881047472
2*sqrt(n) =  177.68511473953018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.13416750492178
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.74919618928436

n =  7894
somme des inverses des racines des entiers jusqu a n =  176.24164325867739
2*sqrt(n) =  177.69637024992943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.14529632880664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.76051504294082

n =  7895
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somme des inverses des racines des entiers jusqu a n =  176.25289769978235
2*sqrt(n) =  177.7076250474357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.15642445584595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.77183317568057

n =  7896
somme des inverses des racines des entiers jusqu a n =  176.26415142819752
2*sqrt(n) =  177.7188791321845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.1675518861712
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.78315058764116

n =  7897
somme des inverses des racines des entiers jusqu a n =  176.27540444405824
2*sqrt(n) =  177.73013250431114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.17867861991357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.79446727895993

n =  7898
somme des inverses des racines des entiers jusqu a n =  176.28665674749988
2*sqrt(n) =  177.74138516395107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.18980465720446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.80578324977435

n =  7899
somme des inverses des racines des entiers jusqu a n =  176.2979083386577
2*sqrt(n) =  177.7526371112395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.20092999817507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.8170985002217

n =  7900
somme des inverses des racines des entiers jusqu a n =  176.30915921766695
2*sqrt(n) =  177.76388834631177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.21205464295667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.82841303043932

n =  7901
somme des inverses des racines des entiers jusqu a n =  176.32040938466284
2*sqrt(n) =  177.7751388693031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.22317859168038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.83972684056448

n =  7902
somme des inverses des racines des entiers jusqu a n =  176.33165883978054
2*sqrt(n) =  177.78638868034864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.2343018444773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.8510399307343

n =  7903
somme des inverses des racines des entiers jusqu a n =  176.34290758315518
2*sqrt(n) =  177.79763777958357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.2454244014786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.86235230108605

n =  7904
somme des inverses des racines des entiers jusqu a n =  176.35415561492184
2*sqrt(n) =  177.80888616714296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.25654626281525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.8736639517568

n =  7905
somme des inverses des racines des entiers jusqu a n =  176.3654029352155
2*sqrt(n) =  177.82013384316187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.2676674286183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.88497488288365
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n =  7906
somme des inverses des racines des entiers jusqu a n =  176.37664954417122
2*sqrt(n) =  177.83138080777533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.2787878990187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.89628509460366

n =  7907
somme des inverses des racines des entiers jusqu a n =  176.38789544192392
2*sqrt(n) =  177.8426270611183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.28990767414737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.90759458705375

n =  7908
somme des inverses des racines des entiers jusqu a n =  176.3991406286085
2*sqrt(n) =  177.85387260332567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.30102675413517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.9189033603709

n =  7909
somme des inverses des racines des entiers jusqu a n =  176.41038510435985
2*sqrt(n) =  177.8651174345324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.312145139113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.9302114146921

n =  7910
somme des inverses des racines des entiers jusqu a n =  176.42162886931274
2*sqrt(n) =  177.87636155487328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.3232628292116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.94151875015413

n =  7911
somme des inverses des racines des entiers jusqu a n =  176.432871923602
2*sqrt(n) =  177.88760496448313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.33437982456175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.95282536689382

n =  7912
somme des inverses des racines des entiers jusqu a n =  176.44411426736232
2*sqrt(n) =  177.8988476634967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.34549612529415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.96413126504797

n =  7913
somme des inverses des racines des entiers jusqu a n =  176.45535590072842
2*sqrt(n) =  177.9100896520487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.35661173153952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.97543644475329

n =  7914
somme des inverses des racines des entiers jusqu a n =  176.46659682383495
2*sqrt(n) =  177.9213309302738
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.36772664342843
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.98674090614648

n =  7915
somme des inverses des racines des entiers jusqu a n =  176.4778370368165
2*sqrt(n) =  177.93257149830663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.37884086109153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  182.99804464936418

n =  7916
somme des inverses des racines des entiers jusqu a n =  176.48907653980768
2*sqrt(n) =  177.9438113562818
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.38995438465935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.00934767454302

n =  7917
somme des inverses des racines des entiers jusqu a n =  176.500315332943
2*sqrt(n) =  177.95505050433383
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.4010672142624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.02064998181953

n =  7918
somme des inverses des racines des entiers jusqu a n =  176.5115534163569
2*sqrt(n) =  177.9662889425972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.41217935003112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.03195157133024

n =  7919
somme des inverses des racines des entiers jusqu a n =  176.52279079018385
2*sqrt(n) =  177.97752667120645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.42329079209605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.04325244321166

n =  7920
somme des inverses des racines des entiers jusqu a n =  176.53402745455824
2*sqrt(n) =  177.9887636902959
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.43440154058743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.05455259760015

n =  7921
somme des inverses des racines des entiers jusqu a n =  176.54526340961442
2*sqrt(n) =  178.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.44551159563574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.06585203463214

n =  7922
somme des inverses des racines des entiers jusqu a n =  176.5564986554867
2*sqrt(n) =  178.01123560045303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.45662095737117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.07715075444395

n =  7923
somme des inverses des racines des entiers jusqu a n =  176.56773319230936
2*sqrt(n) =  178.02247049178933
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.4677296259241
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.08844875717196

n =  7924
somme des inverses des racines des entiers jusqu a n =  176.57896702021662
2*sqrt(n) =  178.03370467414308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.47883760142463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.0997460429523

n =  7925
somme des inverses des racines des entiers jusqu a n =  176.59020013934267
2*sqrt(n) =  178.04493814764857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.48994488400308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.1110426119213

n =  7926
somme des inverses des racines des entiers jusqu a n =  176.60143254982162
2*sqrt(n) =  178.05617091243988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.50105147378952
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.12233846421506

n =  7927
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somme des inverses des racines des entiers jusqu a n =  176.6126642517876
2*sqrt(n) =  178.06740296865118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.51215737091403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.13363359996976

n =  7928
somme des inverses des racines des entiers jusqu a n =  176.62389524537465
2*sqrt(n) =  178.07863431641653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.5232625755067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.14492801932144

n =  7929
somme des inverses des racines des entiers jusqu a n =  176.6351255307168
2*sqrt(n) =  178.08986495586996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.53436708769758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.15622172240614

n =  7930
somme des inverses des racines des entiers jusqu a n =  176.64635510794804
2*sqrt(n) =  178.10109488714548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.5454709076166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.16751470935992

n =  7931
somme des inverses des racines des entiers jusqu a n =  176.65758397720225
2*sqrt(n) =  178.11232411037705
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.55657403539374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.1788069803187

n =  7932
somme des inverses des racines des entiers jusqu a n =  176.66881213861336
2*sqrt(n) =  178.12355262569855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.56767647115888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.1900985354184

n =  7933
somme des inverses des racines des entiers jusqu a n =  176.68003959231518
2*sqrt(n) =  178.13478043324386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.57877821504186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.20138937479487

n =  7934
somme des inverses des racines des entiers jusqu a n =  176.69126633844155
2*sqrt(n) =  178.14600753314681
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.58987926717253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.21267949858395

n =  7935
somme des inverses des racines des entiers jusqu a n =  176.70249237712622
2*sqrt(n) =  178.15723392554116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.60097962768066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.2239689069214

n =  7936
somme des inverses des racines des entiers jusqu a n =  176.71371770850288
2*sqrt(n) =  178.1684596105607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.61207929669598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.23525759994303

n =  7937
somme des inverses des racines des entiers jusqu a n =  176.72494233270524
2*sqrt(n) =  178.1796845883391
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.62317827434822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.24654557778453
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n =  7938
somme des inverses des racines des entiers jusqu a n =  176.73616624986693
2*sqrt(n) =  178.19090885900997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.63427656076695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.25783284058147

n =  7939
somme des inverses des racines des entiers jusqu a n =  176.74738946012152
2*sqrt(n) =  178.202132422707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.64537415608189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.26911938846953

n =  7940
somme des inverses des racines des entiers jusqu a n =  176.75861196360262
2*sqrt(n) =  178.2133552795637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.65647106042252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.2804052215843

n =  7941
somme des inverses des racines des entiers jusqu a n =  176.76983376044367
2*sqrt(n) =  178.22457742971366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.66756727391845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.29169034006125

n =  7942
somme des inverses des racines des entiers jusqu a n =  176.7810548507782
2*sqrt(n) =  178.23579887329032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.67866279669914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.3029747440359

n =  7943
somme des inverses des racines des entiers jusqu a n =  176.79227523473958
2*sqrt(n) =  178.24701961042715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.68975762889403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.31425843364372

n =  7944
somme des inverses des racines des entiers jusqu a n =  176.80349491246122
2*sqrt(n) =  178.25823964125755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.70085177063254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.32554140902005

n =  7945
somme des inverses des racines des entiers jusqu a n =  176.81471388407644
2*sqrt(n) =  178.26945896591485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.71194522204405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.33682367030025

n =  7946
somme des inverses des racines des entiers jusqu a n =  176.82593214971857
2*sqrt(n) =  178.2806775845324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.72303798325788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.3481052176197

n =  7947
somme des inverses des racines des entiers jusqu a n =  176.83714970952084
2*sqrt(n) =  178.2918954972435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.73413005440332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.35938605111357

n =  7948
somme des inverses des racines des entiers jusqu a n =  176.84836656361648
2*sqrt(n) =  178.30311270418136
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.74522143560966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.37066617091722

n =  7949
somme des inverses des racines des entiers jusqu a n =  176.85958271213866
2*sqrt(n) =  178.31432920547917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.75631212700605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.3819455771657

n =  7950
somme des inverses des racines des entiers jusqu a n =  176.8707981552205
2*sqrt(n) =  178.3255450012701
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.7674021287217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.39322426999428

n =  7951
somme des inverses des racines des entiers jusqu a n =  176.8820128929951
2*sqrt(n) =  178.3367600916872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.77849144088574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.40450224953796

n =  7952
somme des inverses des racines des entiers jusqu a n =  176.8932269255955
2*sqrt(n) =  178.34797447686364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.78958006362723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.41577951593183

n =  7953
somme des inverses des racines des entiers jusqu a n =  176.90444025315475
2*sqrt(n) =  178.35918815693236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.80066799707524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.42705606931094

n =  7954
somme des inverses des racines des entiers jusqu a n =  176.91565287580573
2*sqrt(n) =  178.3704011320264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.81175524135875
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.4383319098102

n =  7955
somme des inverses des racines des entiers jusqu a n =  176.92686479368143
2*sqrt(n) =  178.38161340227865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.82284179660675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.4496070375646

n =  7956
somme des inverses des racines des entiers jusqu a n =  176.9380760069147
2*sqrt(n) =  178.39282496782207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.8339276629482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.460881452709

n =  7957
somme des inverses des racines des entiers jusqu a n =  176.9492865156384
2*sqrt(n) =  178.4040358287895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.84501284051197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.47215515537826

n =  7958
somme des inverses des racines des entiers jusqu a n =  176.96049631998528
2*sqrt(n) =  178.4152459853137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.85609732942683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.48342814570714

n =  7959
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somme des inverses des racines des entiers jusqu a n =  176.97170542008814
2*sqrt(n) =  178.42645543752755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.86718112982172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.49470042383047

n =  7960
somme des inverses des racines des entiers jusqu a n =  176.9829138160797
2*sqrt(n) =  178.4376641855637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.8782642418253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.5059719898829

n =  7961
somme des inverses des racines des entiers jusqu a n =  176.9941215080926
2*sqrt(n) =  178.44887222955487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.88934666556628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.51724284399916

n =  7962
somme des inverses des racines des entiers jusqu a n =  177.0053284962595
2*sqrt(n) =  178.46007956963373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.90042840117349
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.52851298631387

n =  7963
somme des inverses des racines des entiers jusqu a n =  177.01653478071296
2*sqrt(n) =  178.47128620593287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.91150944877543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.5397824169616

n =  7964
somme des inverses des racines des entiers jusqu a n =  177.02774036158556
2*sqrt(n) =  178.48249213858483
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.92258980850076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.55105113607686

n =  7965
somme des inverses des racines des entiers jusqu a n =  177.03894523900976
2*sqrt(n) =  178.4936973677222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.93366948047807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.56231914379427

n =  7966
somme des inverses des racines des entiers jusqu a n =  177.05014941311808
2*sqrt(n) =  178.50490189347744
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.94474846483587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.57358644024822

n =  7967
somme des inverses des racines des entiers jusqu a n =  177.0613528840429
2*sqrt(n) =  178.51610571598295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.95582676170258
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.58485302557312

n =  7968
somme des inverses des racines des entiers jusqu a n =  177.0725556519166
2*sqrt(n) =  178.52730883537117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.96690437120674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.5961188999034

n =  7969
somme des inverses des racines des entiers jusqu a n =  177.08375771687153
2*sqrt(n) =  178.53851125177448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.97798129347674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.60738406337336
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n =  7970
somme des inverses des racines des entiers jusqu a n =  177.09495907904
2*sqrt(n) =  178.54971296532514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  166.9890575286409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.61864851611728

n =  7971
somme des inverses des racines des entiers jusqu a n =  177.10615973855425
2*sqrt(n) =  178.5609139761555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.00013307682758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.62991225826946

n =  7972
somme des inverses des racines des entiers jusqu a n =  177.1173596955465
2*sqrt(n) =  178.5721142843977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.01120793816503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.64117528996405

n =  7973
somme des inverses des racines des entiers jusqu a n =  177.1285589501489
2*sqrt(n) =  178.58331389018403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.02228211278154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.65243761133527

n =  7974
somme des inverses des racines des entiers jusqu a n =  177.13975750249364
2*sqrt(n) =  178.5945127936466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0333556008053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.66369922251724

n =  7975
somme des inverses des racines des entiers jusqu a n =  177.15095535271274
2*sqrt(n) =  178.60571099491753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0444284023645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.67496012364404

n =  7976
somme des inverses des racines des entiers jusqu a n =  177.1621525009383
2*sqrt(n) =  178.61690849412886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0555005175872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.6862203148497

n =  7977
somme des inverses des racines des entiers jusqu a n =  177.17334894730232
2*sqrt(n) =  178.62810529141265
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.06657194660153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.69747979626823

n =  7978
somme des inverses des racines des entiers jusqu a n =  177.18454469193674
2*sqrt(n) =  178.63930138690085
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0776426895355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.70873856803354

n =  7979
somme des inverses des racines des entiers jusqu a n =  177.1957397349735
2*sqrt(n) =  178.65049678072546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0887127465172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.7199966302796

n =  7980
somme des inverses des racines des entiers jusqu a n =  177.20693407654448
2*sqrt(n) =  178.66169147301835
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.0997821176745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.73125398314028

n =  7981
somme des inverses des racines des entiers jusqu a n =  177.21812771678154
2*sqrt(n) =  178.6728854639114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.1108508031354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.7425106267494

n =  7982
somme des inverses des racines des entiers jusqu a n =  177.22932065581645
2*sqrt(n) =  178.6840787535364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.1219188030277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.75376656124072

n =  7983
somme des inverses des racines des entiers jusqu a n =  177.24051289378102
2*sqrt(n) =  178.69527134202517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.13298611747936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.76502178674806

n =  7984
somme des inverses des racines des entiers jusqu a n =  177.2517044308069
2*sqrt(n) =  178.7064632295094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.14405274661812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.77627630340504

n =  7985
somme des inverses des racines des entiers jusqu a n =  177.26289526702584
2*sqrt(n) =  178.71765441612084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.15511869057173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.78753011134538

n =  7986
somme des inverses des racines des entiers jusqu a n =  177.27408540256943
2*sqrt(n) =  178.72884490199112
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.16618394946795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.7987832107027

n =  7987
somme des inverses des racines des entiers jusqu a n =  177.28527483756926
2*sqrt(n) =  178.74003468725186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.17724852343449
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.81003560161056

n =  7988
somme des inverses des racines des entiers jusqu a n =  177.29646357215688
2*sqrt(n) =  178.75122377203465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.18831241259895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.8212872842025

n =  7989
somme des inverses des racines des entiers jusqu a n =  177.30765160646382
2*sqrt(n) =  178.76241215647096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.19937561708892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.83253825861198

n =  7990
somme des inverses des racines des entiers jusqu a n =  177.31883894062156
2*sqrt(n) =  178.77359984069236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.21043813703204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.84378852497252

n =  7991
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somme des inverses des racines des entiers jusqu a n =  177.33002557476152
2*sqrt(n) =  178.78478682483026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.22149997255582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.8550380834175

n =  7992
somme des inverses des racines des entiers jusqu a n =  177.3412115090151
2*sqrt(n) =  178.79597310901607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.2325611237877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.86628693408028

n =  7993
somme des inverses des racines des entiers jusqu a n =  177.35239674351362
2*sqrt(n) =  178.80715869338118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.24362159085516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.8775350770942

n =  7994
somme des inverses des racines des entiers jusqu a n =  177.3635812783884
2*sqrt(n) =  178.8183435780569
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.25468137388563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.8887825125925

n =  7995
somme des inverses des racines des entiers jusqu a n =  177.37476511377074
2*sqrt(n) =  178.8295277631745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.26574047300645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.9000292407085

n =  7996
somme des inverses des racines des entiers jusqu a n =  177.3859482497918
2*sqrt(n) =  178.84071124886526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.27679888834498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.9112752615754

n =  7997
somme des inverses des racines des entiers jusqu a n =  177.39713068658278
2*sqrt(n) =  178.85189403526036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.28785662002846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.9225205753263

n =  7998
somme des inverses des racines des entiers jusqu a n =  177.40831242427487
2*sqrt(n) =  178.86307612249098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.2989136681842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.93376518209436

n =  7999
somme des inverses des racines des entiers jusqu a n =  177.41949346299913
2*sqrt(n) =  178.8742575106882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.3099700329394
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.9450090820126

n =  8000
somme des inverses des racines des entiers jusqu a n =  177.43067380288662
2*sqrt(n) =  178.88543819998318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.3210257144212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.95625227521415

n =  8001
somme des inverses des racines des entiers jusqu a n =  177.44185344406839
2*sqrt(n) =  178.8966181905069
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.33208071275678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.96749476183194
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n =  8002
somme des inverses des racines des entiers jusqu a n =  177.45303238667537
2*sqrt(n) =  178.90779748239035
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.34313502807316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.97873654199893

n =  8003
somme des inverses des racines des entiers jusqu a n =  177.46421063083855
2*sqrt(n) =  178.91897607576453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.3541886604975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  183.98997761584806

n =  8004
somme des inverses des racines des entiers jusqu a n =  177.4753881766888
2*sqrt(n) =  178.93015397076033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.36524161015672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.00121798351213

n =  8005
somme des inverses des racines des entiers jusqu a n =  177.48656502435696
2*sqrt(n) =  178.94133116750865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.37629387717783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.01245764512404

n =  8006
somme des inverses des racines des entiers jusqu a n =  177.49774117397388
2*sqrt(n) =  178.9525076661403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.38734546168777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.02369660081655

n =  8007
somme des inverses des racines des entiers jusqu a n =  177.5089166256703
2*sqrt(n) =  178.96368346678608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.39839636381345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.03493485072238

n =  8008
somme des inverses des racines des entiers jusqu a n =  177.520091379577
2*sqrt(n) =  178.97485856957675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.4094465836817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.04617239497426

n =  8009
somme des inverses des racines des entiers jusqu a n =  177.53126543582462
2*sqrt(n) =  178.98603297464302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.42049612141935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.05740923370487

n =  8010
somme des inverses des racines des entiers jusqu a n =  177.54243879454384
2*sqrt(n) =  178.99720668211557
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.43154497715318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.06864536704677

n =  8011
somme des inverses des racines des entiers jusqu a n =  177.55361145586528
2*sqrt(n) =  179.00837969212503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.44259315100993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.0798807951326

n =  8012
somme des inverses des racines des entiers jusqu a n =  177.5647834199195
2*sqrt(n) =  179.01955200480197
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.45364064311627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.09111551809482

n =  8013
somme des inverses des racines des entiers jusqu a n =  177.57595468683704
2*sqrt(n) =  179.03072362027697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.4646874535989
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.10234953606601

n =  8014
somme des inverses des racines des entiers jusqu a n =  177.58712525674835
2*sqrt(n) =  179.04189453868054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.47573358258444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.11358284917858

n =  8015
somme des inverses des racines des entiers jusqu a n =  177.5982951297839
2*sqrt(n) =  179.05306476014312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.48677903019947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.12481545756495

n =  8016
somme des inverses des racines des entiers jusqu a n =  177.60946430607413
2*sqrt(n) =  179.06423428479513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.4978237965705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.13604736135744

n =  8017
somme des inverses des racines des entiers jusqu a n =  177.62063278574936
2*sqrt(n) =  179.075403112767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.50886788182405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.14727856068845

n =  8018
somme des inverses des racines des entiers jusqu a n =  177.63180056893995
2*sqrt(n) =  179.08657124418906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.51991128608663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.15850905569027

n =  8019
somme des inverses des racines des entiers jusqu a n =  177.64296765577618
2*sqrt(n) =  179.0977386791916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.53095400948456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.1697388464951

n =  8020
somme des inverses des racines des entiers jusqu a n =  177.65413404638826
2*sqrt(n) =  179.10890541790488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.54199605214433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.18096793323517

n =  8021
somme des inverses des racines des entiers jusqu a n =  177.66529974090642
2*sqrt(n) =  179.12007146045917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.55303741419226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.19219631604264

n =  8022
somme des inverses des racines des entiers jusqu a n =  177.67646473946084
2*sqrt(n) =  179.13123680698462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.5640780957546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.2034239950496

n =  8023
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somme des inverses des racines des entiers jusqu a n =  177.6876290421816
2*sqrt(n) =  179.14240145761136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.5751180969577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.2146509703882

n =  8024
somme des inverses des racines des entiers jusqu a n =  177.69879264919885
2*sqrt(n) =  179.15356541246953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.58615741792778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.22587724219042

n =  8025
somme des inverses des racines des entiers jusqu a n =  177.70995556064256
2*sqrt(n) =  179.16472867168918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.59719605879096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.23710281058828

n =  8026
somme des inverses des racines des entiers jusqu a n =  177.72111777664276
2*sqrt(n) =  179.17589123540031
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.60823401967346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.24832767571374

n =  8027
somme des inverses des racines des entiers jusqu a n =  177.73227929732943
2*sqrt(n) =  179.18705310373292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.61927130070134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.2595518376987

n =  8028
somme des inverses des racines des entiers jusqu a n =  177.74344012283245
2*sqrt(n) =  179.19821427681694
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.6303079020007
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.27077529667505

n =  8029
somme des inverses des racines des entiers jusqu a n =  177.75460025328175
2*sqrt(n) =  179.2093747547823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.6413438236976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.28199805277464

n =  8030
somme des inverses des racines des entiers jusqu a n =  177.76575968880715
2*sqrt(n) =  179.22053453775882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.652379065918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.2932201061292

n =  8031
somme des inverses des racines des entiers jusqu a n =  177.77691842953843
2*sqrt(n) =  179.23169362587635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.66341362878788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.30444145687056

n =  8032
somme des inverses des racines des entiers jusqu a n =  177.78807647560535
2*sqrt(n) =  179.24285201926463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.67444751243312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.31566210513037

n =  8033
somme des inverses des racines des entiers jusqu a n =  177.79923382713767
2*sqrt(n) =  179.25400971805345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.68548071697964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.32688205104034
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n =  8034
somme des inverses des racines des entiers jusqu a n =  177.810390484265
2*sqrt(n) =  179.26516672237247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.69651324255324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.33810129473207

n =  8035
somme des inverses des racines des entiers jusqu a n =  177.82154644711707
2*sqrt(n) =  179.27632303235137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.70754508927976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.34931983633717

n =  8036
somme des inverses des racines des entiers jusqu a n =  177.8327017158234
2*sqrt(n) =  179.28747864811976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.71857625728495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.36053767598716

n =  8037
somme des inverses des racines des entiers jusqu a n =  177.84385629051357
2*sqrt(n) =  179.2986335698072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.7296067466945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.37175481381357

n =  8038
somme des inverses des racines des entiers jusqu a n =  177.8550101713171
2*sqrt(n) =  179.30978779754327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.74063655763413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.38297124994784

n =  8039
somme des inverses des racines des entiers jusqu a n =  177.86616335836348
2*sqrt(n) =  179.32094133145745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.7516656902295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.3941869845214

n =  8040
somme des inverses des racines des entiers jusqu a n =  177.87731585178213
2*sqrt(n) =  179.33209417167916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.76269414460614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.40540201766566

n =  8041
somme des inverses des racines des entiers jusqu a n =  177.88846765170243
2*sqrt(n) =  179.34324631833783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.7737219208897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.4166163495119

n =  8042
somme des inverses des racines des entiers jusqu a n =  177.89961875825375
2*sqrt(n) =  179.35439777156287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.78474901920566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.4278299801915

n =  8043
somme des inverses des racines des entiers jusqu a n =  177.91076917156542
2*sqrt(n) =  179.3655485314836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.79577543967955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.43904290983562

n =  8044
somme des inverses des racines des entiers jusqu a n =  177.9219188917667
2*sqrt(n) =  179.3766985982293
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.80680118243677
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.45025513857556

n =  8045
somme des inverses des racines des entiers jusqu a n =  177.93306791898684
2*sqrt(n) =  179.38784797192923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.81782624760277
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.46146666654246

n =  8046
somme des inverses des racines des entiers jusqu a n =  177.94421625335502
2*sqrt(n) =  179.39899665271264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.8288506353029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.4726774938675

n =  8047
somme des inverses des racines des entiers jusqu a n =  177.9553638950004
2*sqrt(n) =  179.41014464070867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.83987434566254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.48388762068174

n =  8048
somme des inverses des racines des entiers jusqu a n =  177.9665108440521
2*sqrt(n) =  179.42129193604643
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.8508973788069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.4950970471162

n =  8049
somme des inverses des racines des entiers jusqu a n =  177.9776571006392
2*sqrt(n) =  179.43243853885505
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.86191973486132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.5063057733019

n =  8050
somme des inverses des racines des entiers jusqu a n =  177.9888026648907
2*sqrt(n) =  179.4435844492636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.872941413951
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.5175137993699

n =  8051
somme des inverses des racines des entiers jusqu a n =  177.99994753693562
2*sqrt(n) =  179.45472966740107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.8839624162011
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.52872112545106

n =  8052
somme des inverses des racines des entiers jusqu a n =  178.0110917169029
2*sqrt(n) =  179.46587419339644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.89498274173675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.5399277516763

n =  8053
somme des inverses des racines des entiers jusqu a n =  178.0222352049215
2*sqrt(n) =  179.47701802737865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.9060023906831
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.55113367817643

n =  8054
somme des inverses des racines des entiers jusqu a n =  178.03337800112024
2*sqrt(n) =  179.48816116947657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.91702136316516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.56233890508227

n =  8055
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somme des inverses des racines des entiers jusqu a n =  178.04452010562798
2*sqrt(n) =  179.4993036198191
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.92803965930804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.57354343252464

n =  8056
somme des inverses des racines des entiers jusqu a n =  178.05566151857352
2*sqrt(n) =  179.510445378535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.9390572792366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.5847472606342

n =  8057
somme des inverses des racines des entiers jusqu a n =  178.0668022400856
2*sqrt(n) =  179.5215864457531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.9500742230759
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.59595038954168

n =  8058
somme des inverses des racines des entiers jusqu a n =  178.07794227029294
2*sqrt(n) =  179.5327268216021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.96109049095082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.60715281937775

n =  8059
somme des inverses des racines des entiers jusqu a n =  178.0890816093242
2*sqrt(n) =  179.5438665062107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.9721060829862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.61835455027295

n =  8060
somme des inverses des racines des entiers jusqu a n =  178.10022025730805
2*sqrt(n) =  179.55500549970753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.98312099930686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.62955558235785

n =  8061
somme des inverses des racines des entiers jusqu a n =  178.11135821437307
2*sqrt(n) =  179.56614380222123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  167.99413524003765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.64075591576304

n =  8062
somme des inverses des racines des entiers jusqu a n =  178.1224954806478
2*sqrt(n) =  179.57728141388043
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.00514880530332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.651955550619

n =  8063
somme des inverses des racines des entiers jusqu a n =  178.13363205626078
2*sqrt(n) =  179.58841833481355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.01616169522853
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.66315448705606

n =  8064
somme des inverses des racines des entiers jusqu a n =  178.14476794134046
2*sqrt(n) =  179.5995545651492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.02717390993806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.67435272520476

n =  8065
somme des inverses des racines des entiers jusqu a n =  178.1559031360153
2*sqrt(n) =  179.61069010501575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.03818544955644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.6855502651954
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n =  8066
somme des inverses des racines des entiers jusqu a n =  178.16703764041367
2*sqrt(n) =  179.62182495454164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.04919631420833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.6967471071583

n =  8067
somme des inverses des racines des entiers jusqu a n =  178.17817145466393
2*sqrt(n) =  179.63295911385526
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.06020650401828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.70794325122375

n =  8068
somme des inverses des racines des entiers jusqu a n =  178.18930457889442
2*sqrt(n) =  179.64409258308496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.07121601911086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.719138697522

n =  8069
somme des inverses des racines des entiers jusqu a n =  178.2004370132334
2*sqrt(n) =  179.655225362359
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.0822248596105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.73033344618327

n =  8070
somme des inverses des racines des entiers jusqu a n =  178.2115687578091
2*sqrt(n) =  179.66635745180565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.09323302564167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.74152749733764

n =  8071
somme des inverses des racines des entiers jusqu a n =  178.2226998127497
2*sqrt(n) =  179.67748885155314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.10424051732878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.75272085111533

n =  8072
somme des inverses des racines des entiers jusqu a n =  178.2338301781834
2*sqrt(n) =  179.6886195617296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.11524733479618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.76391350764632

n =  8073
somme des inverses des racines des entiers jusqu a n =  178.24495985423832
2*sqrt(n) =  179.69974958246326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.12625347816825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.77510546706077

n =  8074
somme des inverses des racines des entiers jusqu a n =  178.2560888410425
2*sqrt(n) =  179.7108789138821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.13725894756922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.78629672948856

n =  8075
somme des inverses des racines des entiers jusqu a n =  178.267217138724
2*sqrt(n) =  179.72200755611428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.14826374312344
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.7974872950597

n =  8076
somme des inverses des racines des entiers jusqu a n =  178.27834474741078
2*sqrt(n) =  179.73313550928776
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.15926786495504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.80867716390412

n =  8077
somme des inverses des racines des entiers jusqu a n =  178.28947166723086
2*sqrt(n) =  179.74426277353055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.17027131318827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.8198663361517

n =  8078
somme des inverses des racines des entiers jusqu a n =  178.30059789831213
2*sqrt(n) =  179.75538934897057
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.1812740879472
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.83105481193223

n =  8079
somme des inverses des racines des entiers jusqu a n =  178.3117234407825
2*sqrt(n) =  179.7665152357357
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.192276189356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.84224259137557

n =  8080
somme des inverses des racines des entiers jusqu a n =  178.32284829476973
2*sqrt(n) =  179.77764043395385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.2032776175387
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.85342967461142

n =  8081
somme des inverses des racines des entiers jusqu a n =  178.3339724604017
2*sqrt(n) =  179.78876494375282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.2142783726194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.86461606176954

n =  8082
somme des inverses des racines des entiers jusqu a n =  178.34509593780612
2*sqrt(n) =  179.79988876526036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.22527845472194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.87580175297956

n =  8083
somme des inverses des racines des entiers jusqu a n =  178.35621872711076
2*sqrt(n) =  179.81101189860425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.2362778639704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.88698674837116

n =  8084
somme des inverses des racines des entiers jusqu a n =  178.36734082844325
2*sqrt(n) =  179.82213434391218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.24727660048868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.89817104807395

n =  8085
somme des inverses des racines des entiers jusqu a n =  178.37846224193126
2*sqrt(n) =  179.8332561013118
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.2582746644006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.90935465221742

n =  8086
somme des inverses des racines des entiers jusqu a n =  178.3895829677024
2*sqrt(n) =  179.84437717093076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.26927205583004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.9205375609311

n =  8087
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somme des inverses des racines des entiers jusqu a n =  178.40070300588422
2*sqrt(n) =  179.85549755289662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.2802687749008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.93171977434451

n =  8088
somme des inverses des racines des entiers jusqu a n =  178.41182235660426
2*sqrt(n) =  179.86661724733693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.29126482173663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.9429012925871

n =  8089
somme des inverses des racines des entiers jusqu a n =  178.42294101999
2*sqrt(n) =  179.8777362543792
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.30226019646125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.95408211578817

n =  8090
somme des inverses des racines des entiers jusqu a n =  178.43405899616886
2*sqrt(n) =  179.88885457415086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.3132548991983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.9652622440771

n =  8091
somme des inverses des racines des entiers jusqu a n =  178.44517628526827
2*sqrt(n) =  179.8999722067794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.32424893007158
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.97644167758332

n =  8092
somme des inverses des racines des entiers jusqu a n =  178.4562928874156
2*sqrt(n) =  179.91108915239215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.33524228920453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.98762041643596

n =  8093
somme des inverses des racines des entiers jusqu a n =  178.46740880273816
2*sqrt(n) =  179.9222054111165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.3462349767208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  184.99879846076433

n =  8094
somme des inverses des racines des entiers jusqu a n =  178.47852403136326
2*sqrt(n) =  179.93332098307974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.35722699274393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.00997581069765

n =  8095
somme des inverses des racines des entiers jusqu a n =  178.48963857341815
2*sqrt(n) =  179.9444358684091
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.36821833739737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.02115246636495

n =  8096
somme des inverses des racines des entiers jusqu a n =  178.50075242903
2*sqrt(n) =  179.95555006723188
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.37920901080463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.0323284278955

n =  8097
somme des inverses des racines des entiers jusqu a n =  178.511865598326
2*sqrt(n) =  179.9666635796752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.3901990130891
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.04350369541825
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n =  8098
somme des inverses des racines des entiers jusqu a n =  178.5229780814333
2*sqrt(n) =  179.97777640586628
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.4011883443742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.05467826906232

n =  8099
somme des inverses des racines des entiers jusqu a n =  178.534089878479
2*sqrt(n) =  179.98888854593218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.4121770047832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.06585214895668

n =  8100
somme des inverses des racines des entiers jusqu a n =  178.5452009895901
2*sqrt(n) =  180.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.42316499443947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.07702533523025

n =  8101
somme des inverses des racines des entiers jusqu a n =  178.55631141489366
2*sqrt(n) =  180.01111076819674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.43415231346626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.08819782801197

n =  8102
somme des inverses des racines des entiers jusqu a n =  178.56742115451664
2*sqrt(n) =  180.02222085064943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.4451389619868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.09936962743075

n =  8103
somme des inverses des racines des entiers jusqu a n =  178.57853020858596
2*sqrt(n) =  180.033330247485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.45612494012428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.11054073361535

n =  8104
somme des inverses des racines des entiers jusqu a n =  178.58963857722853
2*sqrt(n) =  180.0444389588304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.4671102480019
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.12171114669465

n =  8105
somme des inverses des racines des entiers jusqu a n =  178.6007462605712
2*sqrt(n) =  180.05554698481245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.47809488574268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.13288086679734

n =  8106
somme des inverses des racines des entiers jusqu a n =  178.6118532587408
2*sqrt(n) =  180.066654325558
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.48907885346975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.14404989405213

n =  8107
somme des inverses des racines des entiers jusqu a n =  178.6229595718641
2*sqrt(n) =  180.0777609811939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.5000621513062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.15521822858776

n =  8108
somme des inverses des racines des entiers jusqu a n =  178.63406520006785
2*sqrt(n) =  180.08886695184685
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.51104477937497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.1663858705328

n =  8109
somme des inverses des racines des entiers jusqu a n =  178.64517014347874
2*sqrt(n) =  180.0999722376436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.52202673779905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.17755282001588

n =  8110
somme des inverses des racines des entiers jusqu a n =  178.6562744022234
2*sqrt(n) =  180.11107683871083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.53300802670137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.18871907716556

n =  8111
somme des inverses des racines des entiers jusqu a n =  178.6673779764285
2*sqrt(n) =  180.12218075517518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.54398864620484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.19988464211033

n =  8112
somme des inverses des racines des entiers jusqu a n =  178.6784808662206
2*sqrt(n) =  180.13328398716322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.55496859643227
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.2110495149787

n =  8113
somme des inverses des racines des entiers jusqu a n =  178.68958307172628
2*sqrt(n) =  180.14438653480158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.56594787750652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.22221369589911

n =  8114
somme des inverses des racines des entiers jusqu a n =  178.700684593072
2*sqrt(n) =  180.15548839821673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.57692648955035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.23337718499994

n =  8115
somme des inverses des racines des entiers jusqu a n =  178.71178543038423
2*sqrt(n) =  180.16658957753515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.58790443268646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.2445399824095

n =  8116
somme des inverses des racines des entiers jusqu a n =  178.7228855837894
2*sqrt(n) =  180.17769007288334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.59888170703763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.25570208825619

n =  8117
somme des inverses des racines des entiers jusqu a n =  178.73398505341393
2*sqrt(n) =  180.18878988438766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.6098583127265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.26686350266823

n =  8118
somme des inverses des racines des entiers jusqu a n =  178.74508383938414
2*sqrt(n) =  180.19988901217448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.62083424987566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.2780242257739

n =  8119
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somme des inverses des racines des entiers jusqu a n =  178.75618194182633
2*sqrt(n) =  180.21098745637016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.63180951860772
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.28918425770138

n =  8120
somme des inverses des racines des entiers jusqu a n =  178.76727936086678
2*sqrt(n) =  180.22208521710095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.64278411904525
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.30034359857882

n =  8121
somme des inverses des racines des entiers jusqu a n =  178.77837609663175
2*sqrt(n) =  180.23318229449316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.65375805131075
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.31150224853437

n =  8122
somme des inverses des racines des entiers jusqu a n =  178.7894721492474
2*sqrt(n) =  180.24427868867295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.66473131552672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.32266020769606

n =  8123
somme des inverses des racines des entiers jusqu a n =  178.8005675188399
2*sqrt(n) =  180.2553743997665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.67570391181556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.333817476192

n =  8124
somme des inverses des racines des entiers jusqu a n =  178.81166220553536
2*sqrt(n) =  180.26646942789998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.6866758402997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.3449740541501

n =  8125
somme des inverses des racines des entiers jusqu a n =  178.82275620945987
2*sqrt(n) =  180.27756377319946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.69764710110152
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.3561299416984

n =  8126
somme des inverses des racines des entiers jusqu a n =  178.83384953073946
2*sqrt(n) =  180.288657435791
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.70861769434333
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.36728513896483

n =  8127
somme des inverses des racines des entiers jusqu a n =  178.84494216950011
2*sqrt(n) =  180.29975041580064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.71958762014745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.37843964607725

n =  8128
somme des inverses des racines des entiers jusqu a n =  178.8560341258678
2*sqrt(n) =  180.3108427133543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.73055687863604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.38959346316344

n =  8129
somme des inverses des racines des entiers jusqu a n =  178.86712539996847
2*sqrt(n) =  180.321934328578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.74152546993145
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.4007465903513
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n =  8130
somme des inverses des racines des entiers jusqu a n =  178.878215991928
2*sqrt(n) =  180.3330252615976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.75249339415575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.41189902776853

n =  8131
somme des inverses des racines des entiers jusqu a n =  178.88930590187218
2*sqrt(n) =  180.34411551253896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.76346065143113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.4230507755429

n =  8132
somme des inverses des racines des entiers jusqu a n =  178.90039512992686
2*sqrt(n) =  180.35520508152794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.77442724187972
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.43420183380206

n =  8133
somme des inverses des racines des entiers jusqu a n =  178.9114836762178
2*sqrt(n) =  180.3662939686903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.7853931656235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.44535220267366

n =  8134
somme des inverses des racines des entiers jusqu a n =  178.92257154087076
2*sqrt(n) =  180.37738217415176
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.7963584227846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.45650188228535

n =  8135
somme des inverses des racines des entiers jusqu a n =  178.9336587240114
2*sqrt(n) =  180.38846969803808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.80732301348496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.46765087276464

n =  8136
somme des inverses des racines des entiers jusqu a n =  178.94474522576536
2*sqrt(n) =  180.3995565404749
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.8182869378465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.47879917423907

n =  8137
somme des inverses des racines des entiers jusqu a n =  178.95583104625825
2*sqrt(n) =  180.41064270158788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.82925019599122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.48994678683619

n =  8138
somme des inverses des racines des entiers jusqu a n =  178.96691618561567
2*sqrt(n) =  180.42172818150257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.84021278804093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.5010937106834

n =  8139
somme des inverses des racines des entiers jusqu a n =  178.97800064396316
2*sqrt(n) =  180.43281298034458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.85117471411755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.5122399459081

n =  8140
somme des inverses des racines des entiers jusqu a n =  178.98908442142618
2*sqrt(n) =  180.44389709823938
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.8621359743428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.52338549263766

n =  8141
somme des inverses des racines des entiers jusqu a n =  179.00016751813024
2*sqrt(n) =  180.45498053531247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.8730965688385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.53453035099946

n =  8142
somme des inverses des racines des entiers jusqu a n =  179.01124993420072
2*sqrt(n) =  180.46606329168927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.88405649772633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.54567452112073

n =  8143
somme des inverses des racines des entiers jusqu a n =  179.02233166976302
2*sqrt(n) =  180.4771453674952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.8950157611281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.55681800312877

n =  8144
somme des inverses des racines des entiers jusqu a n =  179.03341272494248
2*sqrt(n) =  180.48822676285565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.90597435916536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.5679607971508

n =  8145
somme des inverses des racines des entiers jusqu a n =  179.04449309986438
2*sqrt(n) =  180.49930747789588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.91693229195974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.57910290331395

n =  8146
somme des inverses des racines des entiers jusqu a n =  179.055572794654
2*sqrt(n) =  180.5103875127412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.92788955963286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.5902443217454

n =  8147
somme des inverses des racines des entiers jusqu a n =  179.0666518094366
2*sqrt(n) =  180.5214668675169
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.93884616230625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.6013850525722

n =  8148
somme des inverses des racines des entiers jusqu a n =  179.07773014433732
2*sqrt(n) =  180.53254554234812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.94980210010144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.61252509592146

n =  8149
somme des inverses des racines des entiers jusqu a n =  179.08880779948134
2*sqrt(n) =  180.54362353736008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.96075737313987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.62366445192018

n =  8150
somme des inverses des racines des entiers jusqu a n =  179.09988477499377
2*sqrt(n) =  180.55470085267788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.97171198154297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.63480312069532

n =  8151
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somme des inverses des racines des entiers jusqu a n =  179.11096107099968
2*sqrt(n) =  180.56577748842665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.9826659254322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.64594110237388

n =  8152
somme des inverses des racines des entiers jusqu a n =  179.1220366876241
2*sqrt(n) =  180.5768534447314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  168.99361920492885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.65707839708267

n =  8153
somme des inverses des racines des entiers jusqu a n =  179.13311162499204
2*sqrt(n) =  180.58792872171716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.00457182015427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.66821500494862

n =  8154
somme des inverses des racines des entiers jusqu a n =  179.14418588322846
2*sqrt(n) =  180.59900331950894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.01552377122974
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.67935092609852

n =  8155
somme des inverses des racines des entiers jusqu a n =  179.15525946245828
2*sqrt(n) =  180.61007723823164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.02647505827653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.6904861606592

n =  8156
somme des inverses des racines des entiers jusqu a n =  179.16633236280637
2*sqrt(n) =  180.62115047801018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.03742568141584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.70162070875736

n =  8157
somme des inverses des racines des entiers jusqu a n =  179.17740458439758
2*sqrt(n) =  180.63222303896944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.04837564076888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.71275457051973

n =  8158
somme des inverses des racines des entiers jusqu a n =  179.18847612735672
2*sqrt(n) =  180.6432949212342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.0593249364567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.72388774607296

n =  8159
somme des inverses des racines des entiers jusqu a n =  179.19954699180855
2*sqrt(n) =  180.65436612492928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.0702735686005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.7350202355437

n =  8160
somme des inverses des racines des entiers jusqu a n =  179.2106171778778
2*sqrt(n) =  180.66543665017943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.08122153732128
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.7461520390585

n =  8161
somme des inverses des racines des entiers jusqu a n =  179.22168668568915
2*sqrt(n) =  180.67650649710936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.0921688427401
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.75728315674397
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n =  8162
somme des inverses des racines des entiers jusqu a n =  179.23275551536727
2*sqrt(n) =  180.68757566584372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.103115484978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.7684135887266

n =  8163
somme des inverses des racines des entiers jusqu a n =  179.2438236670368
2*sqrt(n) =  180.69864415650716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.1140614641558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.77954333513284

n =  8164
somme des inverses des racines des entiers jusqu a n =  179.25489114082228
2*sqrt(n) =  180.7097119692243
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.12500678039456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.79067239608915

n =  8165
somme des inverses des racines des entiers jusqu a n =  179.26595793684825
2*sqrt(n) =  180.72077910411963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.13595143381508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.8018007717219

n =  8166
somme des inverses des racines des entiers jusqu a n =  179.27702405523922
2*sqrt(n) =  180.73184556131773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.1468954245382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.8129284621575

n =  8167
somme des inverses des racines des entiers jusqu a n =  179.28808949611965
2*sqrt(n) =  180.74291134094304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.15783875268477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.82405546752216

n =  8168
somme des inverses des racines des entiers jusqu a n =  179.29915425961397
2*sqrt(n) =  180.75397644312005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.16878141837554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.8351817879423

n =  8169
somme des inverses des racines des entiers jusqu a n =  179.31021834584655
2*sqrt(n) =  180.76504086797314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.17972342173127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.84630742354406

n =  8170
somme des inverses des racines des entiers jusqu a n =  179.32128175494177
2*sqrt(n) =  180.77610461562668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.19066476287264
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.8574323744537

n =  8171
somme des inverses des racines des entiers jusqu a n =  179.3323444870239
2*sqrt(n) =  180.78716768620498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.20160544192026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.86855664079732

n =  8172
somme des inverses des racines des entiers jusqu a n =  179.34340654221722
2*sqrt(n) =  180.79823007983236
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.21254545899487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.87968022270113

n =  8173
somme des inverses des racines des entiers jusqu a n =  179.354467920646
2*sqrt(n) =  180.80929179663306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.22348481421693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.8908031202911

n =  8174
somme des inverses des racines des entiers jusqu a n =  179.3655286224344
2*sqrt(n) =  180.8203528367313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.23442350770708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.9019253336934

n =  8175
somme des inverses des racines des entiers jusqu a n =  179.37658864770657
2*sqrt(n) =  180.83141320025123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.2453615395858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.91304686303397

n =  8176
somme des inverses des racines des entiers jusqu a n =  179.38764799658665
2*sqrt(n) =  180.84247288731703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.25629890997354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.92416770843877

n =  8177
somme des inverses des racines des entiers jusqu a n =  179.39870666919873
2*sqrt(n) =  180.8535318980528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.26723561899084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.9352878700338

n =  8178
somme des inverses des racines des entiers jusqu a n =  179.40976466566684
2*sqrt(n) =  180.86459023258257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.278171666758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.94640734794487

n =  8179
somme des inverses des racines des entiers jusqu a n =  179.42082198611502
2*sqrt(n) =  180.87564789103038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.2891070533954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.95752614229787

n =  8180
somme des inverses des racines des entiers jusqu a n =  179.4318786306672
2*sqrt(n) =  180.88670487352022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.30004177902342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.9686442532186

n =  8181
somme des inverses des racines des entiers jusqu a n =  179.4429345994473
2*sqrt(n) =  180.89776118017602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.31097584376232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.97976168083287

n =  8182
somme des inverses des racines des entiers jusqu a n =  179.45398989257924
2*sqrt(n) =  180.90881681112174
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.3219092477324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  185.9908784252664

n =  8183
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somme des inverses des racines des entiers jusqu a n =  179.46504451018689
2*sqrt(n) =  180.9198717664812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.33284199105384
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.0019944866449

n =  8184
somme des inverses des racines des entiers jusqu a n =  179.476098452394
2*sqrt(n) =  180.93092604637826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.34377407384682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.01310986509398

n =  8185
somme des inverses des racines des entiers jusqu a n =  179.48715171932443
2*sqrt(n) =  180.94197965093673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.3547054962315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.02422456073936

n =  8186
somme des inverses des racines des entiers jusqu a n =  179.49820431110186
2*sqrt(n) =  180.95303258028034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.36563625832798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.0353385737065

n =  8187
somme des inverses des racines des entiers jusqu a n =  179.50925622785002
2*sqrt(n) =  180.96408483453285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.37656636025642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.04645190412108

n =  8188
somme des inverses des racines des entiers jusqu a n =  179.52030746969257
2*sqrt(n) =  180.9751364138179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.38749580213673
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.0575645521085

n =  8189
somme des inverses des racines des entiers jusqu a n =  179.53135803675315
2*sqrt(n) =  180.98618731825917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.39842458408899
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.06867651779424

n =  8190
somme des inverses des racines des entiers jusqu a n =  179.54240792915533
2*sqrt(n) =  180.99723754798026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.40935270623316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.0797878013038

n =  8191
somme des inverses des racines des entiers jusqu a n =  179.5534571470227
2*sqrt(n) =  181.00828710310475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.42028016868915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.09089840276255

n =  8192
somme des inverses des racines des entiers jusqu a n =  179.56450569047874
2*sqrt(n) =  181.01933598375618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.4312069715769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.10200832229583

n =  8193
somme des inverses des racines des entiers jusqu a n =  179.57555355964695
2*sqrt(n) =  181.030384190058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.4421331150162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.11311756002888
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n =  8194
somme des inverses des racines des entiers jusqu a n =  179.58660075465073
2*sqrt(n) =  181.0414317221337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.45305859912688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.1242261160871

n =  8195
somme des inverses des racines des entiers jusqu a n =  179.59764727561353
2*sqrt(n) =  181.0524785801067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.46398342402878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.13533399059565

n =  8196
somme des inverses des racines des entiers jusqu a n =  179.60869312265868
2*sqrt(n) =  181.0635247641004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.47490758984162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.1464411836798

n =  8197
somme des inverses des racines des entiers jusqu a n =  179.6197382959095
2*sqrt(n) =  181.0745702742381
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.48583109668508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.15754769546461

n =  8198
somme des inverses des racines des entiers jusqu a n =  179.63078279548932
2*sqrt(n) =  181.08561511064318
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.4967539446789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.1686535260753

n =  8199
somme des inverses des racines des entiers jusqu a n =  179.64182662152137
2*sqrt(n) =  181.09665927343883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.50767613394265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.17975867563692

n =  8200
somme des inverses des racines des entiers jusqu a n =  179.65286977412885
2*sqrt(n) =  181.10770276274835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.518597664596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.19086314427452

n =  8201
somme des inverses des racines des entiers jusqu a n =  179.66391225343494
2*sqrt(n) =  181.11874557869487
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.52951853675847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.20196693211307

n =  8202
somme des inverses des racines des entiers jusqu a n =  179.6749540595628
2*sqrt(n) =  181.12978772140158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.54043875054958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.21307003927757

n =  8203
somme des inverses des racines des entiers jusqu a n =  179.68599519263552
2*sqrt(n) =  181.1408291909916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.55135830608887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.224172465893

n =  8204
somme des inverses des racines des entiers jusqu a n =  179.69703565277615
2*sqrt(n) =  181.15186998758804
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.56227720349577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.23527421208416

n =  8205
somme des inverses des racines des entiers jusqu a n =  179.70807544010773
2*sqrt(n) =  181.1629101113139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.5731954428897
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.24637527797597

n =  8206
somme des inverses des racines des entiers jusqu a n =  179.71911455475325
2*sqrt(n) =  181.1739495622922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.58411302439006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.25747566369324

n =  8207
somme des inverses des racines des entiers jusqu a n =  179.73015299683564
2*sqrt(n) =  181.18498834064593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.59502994811623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.26857536936078

n =  8208
somme des inverses des racines des entiers jusqu a n =  179.74119076647784
2*sqrt(n) =  181.196026446498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.60594621418744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.27967439510326

n =  8209
somme des inverses des racines des entiers jusqu a n =  179.75222786380272
2*sqrt(n) =  181.20706387997132
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.61686182272305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.29077274104543

n =  8210
somme des inverses des racines des entiers jusqu a n =  179.76326428893313
2*sqrt(n) =  181.2181006411887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.62777677384224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.30187040731192

n =  8211
somme des inverses des racines des entiers jusqu a n =  179.77430004199184
2*sqrt(n) =  181.22913673027304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.63869106766427
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.31296739402742

n =  8212
somme des inverses des racines des entiers jusqu a n =  179.78533512310165
2*sqrt(n) =  181.24017214734707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.64960470430825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.32406370131648

n =  8213
somme des inverses des racines des entiers jusqu a n =  179.79636953238526
2*sqrt(n) =  181.25120689253356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.66051768389337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.33515932930365

n =  8214
somme des inverses des racines des entiers jusqu a n =  179.80740326996536
2*sqrt(n) =  181.2622409659552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.67143000653869
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.34625427811343

n =  8215
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somme des inverses des racines des entiers jusqu a n =  179.8184363359646
2*sqrt(n) =  181.27327436773464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.6823416723633
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.35734854787032

n =  8216
somme des inverses des racines des entiers jusqu a n =  179.82946873050562
2*sqrt(n) =  181.28430709799457
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.69325268148617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.36844213869875

n =  8217
somme des inverses des racines des entiers jusqu a n =  179.84050045371097
2*sqrt(n) =  181.29533915685752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.70416303402635
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.37953505072312

n =  8218
somme des inverses des racines des entiers jusqu a n =  179.8515315057032
2*sqrt(n) =  181.3063705444461
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.71507273010275
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.3906272840678

n =  8219
somme des inverses des racines des entiers jusqu a n =  179.86256188660482
2*sqrt(n) =  181.31740126088283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.72598176983433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.40171883885708

n =  8220
somme des inverses des racines des entiers jusqu a n =  179.8735915965383
2*sqrt(n) =  181.32843130629018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.73689015333997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.4128097152153

n =  8221
somme des inverses des racines des entiers jusqu a n =  179.88462063562605
2*sqrt(n) =  181.3394606807906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.7477978807385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.42389991326667

n =  8222
somme des inverses des racines des entiers jusqu a n =  179.89564900399046
2*sqrt(n) =  181.3504893845065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.75870495214866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.4349894331354

n =  8223
somme des inverses des racines des entiers jusqu a n =  179.9066767017539
2*sqrt(n) =  181.36151741756024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.76961136768935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.44607827494568

n =  8224
somme des inverses des racines des entiers jusqu a n =  179.91770372903866
2*sqrt(n) =  181.37254478007415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.78051712747921
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.45716643882162

n =  8225
somme des inverses des racines des entiers jusqu a n =  179.92873008596706
2*sqrt(n) =  181.38357147217053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.79142223163697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.4682539248873
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n =  8226
somme des inverses des racines des entiers jusqu a n =  179.93975577266133
2*sqrt(n) =  181.3945974939717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.80232668028134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.4793407332669

n =  8227
somme des inverses des racines des entiers jusqu a n =  179.95078078924365
2*sqrt(n) =  181.4056228455998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.81323047353087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.49042686408424

n =  8228
somme des inverses des racines des entiers jusqu a n =  179.96180513583622
2*sqrt(n) =  181.41664752717708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.82413361150424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.5015123174635

n =  8229
somme des inverses des racines des entiers jusqu a n =  179.97282881256115
2*sqrt(n) =  181.42767153882562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.83503609431992
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.51259709352848

n =  8230
somme des inverses des racines des entiers jusqu a n =  179.98385181954052
2*sqrt(n) =  181.4386948806676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.8459379220965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.52368119240316

n =  8231
somme des inverses des racines des entiers jusqu a n =  179.99487415689643
2*sqrt(n) =  181.4497175528251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.85683909495245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.5347646142114

n =  8232
somme des inverses des racines des entiers jusqu a n =  180.00589582475087
2*sqrt(n) =  181.46073955542008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.8677396130062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.54584735907702

n =  8233
somme des inverses des racines des entiers jusqu a n =  180.0169168232258
2*sqrt(n) =  181.4717608885746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.87863947637618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.5569294271238

n =  8234
somme des inverses des racines des entiers jusqu a n =  180.02793715244323
2*sqrt(n) =  181.48278155241064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.8895386851808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.56801081847556

n =  8235
somme des inverses des racines des entiers jusqu a n =  180.03895681252502
2*sqrt(n) =  181.49380154705008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.90043723953835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.57909153325596

n =  8236
somme des inverses des racines des entiers jusqu a n =  180.04997580359304
2*sqrt(n) =  181.50482087261483
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.91133513956714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.59017157158866

n =  8237
somme des inverses des racines des entiers jusqu a n =  180.06099412576916
2*sqrt(n) =  181.51583952922675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.9222323853855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.60125093359738

n =  8238
somme des inverses des racines des entiers jusqu a n =  180.07201177917514
2*sqrt(n) =  181.52685751700767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.93312897711164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.61232961940567

n =  8239
somme des inverses des racines des entiers jusqu a n =  180.08302876393276
2*sqrt(n) =  181.5378748360793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.94402491486372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.6234076291371

n =  8240
somme des inverses des racines des entiers jusqu a n =  180.09404508016374
2*sqrt(n) =  181.54889148656346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.95492019875996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.63448496291522

n =  8241
somme des inverses des racines des entiers jusqu a n =  180.10506072798975
2*sqrt(n) =  181.55990746858183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.96581482891844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.6455616208635

n =  8242
somme des inverses des racines des entiers jusqu a n =  180.11607570753247
2*sqrt(n) =  181.57092278225608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.97670880545732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.65663760310545

n =  8243
somme des inverses des racines des entiers jusqu a n =  180.12709001891352
2*sqrt(n) =  181.58193742770783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.98760212849461
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.66771290976445

n =  8244
somme des inverses des racines des entiers jusqu a n =  180.13810366225445
2*sqrt(n) =  181.59295140505867
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  169.99849479814833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.67878754096384

n =  8245
somme des inverses des racines des entiers jusqu a n =  180.1491166376768
2*sqrt(n) =  181.60396471443016
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.00938681453647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.689861496827

n =  8246
somme des inverses des racines des entiers jusqu a n =  180.16012894530206
2*sqrt(n) =  181.61497735594386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.02027817777702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.70093477747727

n =  8247
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somme des inverses des racines des entiers jusqu a n =  180.17114058525172
2*sqrt(n) =  181.6259893297212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.03116888798783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.71200738303787

n =  8248
somme des inverses des racines des entiers jusqu a n =  180.18215155764722
2*sqrt(n) =  181.63700063588365
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.04205894528687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.72307931363204

n =  8249
somme des inverses des racines des entiers jusqu a n =  180.1931618626099
2*sqrt(n) =  181.64801127455263
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.0529483497919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.734150569383

n =  8250
somme des inverses des racines des entiers jusqu a n =  180.20417150026117
2*sqrt(n) =  181.6590212458495
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.06383710162078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.74522115041384

n =  8251
somme des inverses des racines des entiers jusqu a n =  180.21518047072232
2*sqrt(n) =  181.67003054989559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.07472520089124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.75629105684774

n =  8252
somme des inverses des racines des entiers jusqu a n =  180.22618877411463
2*sqrt(n) =  181.68103918681223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.0856126477211
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.7673602888078

n =  8253
somme des inverses des racines des entiers jusqu a n =  180.23719641055936
2*sqrt(n) =  181.69204715672066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.09649944222798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.778428846417

n =  8254
somme des inverses des racines des entiers jusqu a n =  180.24820338017773
2*sqrt(n) =  181.70305445974208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.10738558452957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.78949672979834

n =  8255
somme des inverses des racines des entiers jusqu a n =  180.25920968309086
2*sqrt(n) =  181.71406109599775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.11827107474352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.80056393907486

n =  8256
somme des inverses des racines des entiers jusqu a n =  180.27021531941992
2*sqrt(n) =  181.72506706560876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.12915591298741
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.81163047436942

n =  8257
somme des inverses des racines des entiers jusqu a n =  180.281220289286
2*sqrt(n) =  181.73607236869626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.14004009937884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.82269633580498
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n =  8258
somme des inverses des racines des entiers jusqu a n =  180.2922245928102
2*sqrt(n) =  181.7470770053813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.15092363403528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.8337615235043

n =  8259
somme des inverses des racines des entiers jusqu a n =  180.3032282301135
2*sqrt(n) =  181.75808097578496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.16180651707424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.8448260375903

n =  8260
somme des inverses des racines des entiers jusqu a n =  180.3142312013169
2*sqrt(n) =  181.7690842800282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.17268874861318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.8558898781857

n =  8261
somme des inverses des racines des entiers jusqu a n =  180.32523350654134
2*sqrt(n) =  181.78008691823206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.18357032876955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.8669530454133

n =  8262
somme des inverses des racines des entiers jusqu a n =  180.33623514590775
2*sqrt(n) =  181.79108889051741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.19445125766072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.87801553939576

n =  8263
somme des inverses des racines des entiers jusqu a n =  180.347236119537
2*sqrt(n) =  181.80209019700516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.20533153540399
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.88907736025575

n =  8264
somme des inverses des racines des entiers jusqu a n =  180.35823642754994
2*sqrt(n) =  181.8130908378162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.21621116211674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.90013850811593

n =  8265
somme des inverses des racines des entiers jusqu a n =  180.36923607006736
2*sqrt(n) =  181.8240908130713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.22709013791618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.91119898309887

n =  8266
somme des inverses des racines des entiers jusqu a n =  180.38023504721005
2*sqrt(n) =  181.8350901228913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.23796846291964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.92225878532713

n =  8267
somme des inverses des racines des entiers jusqu a n =  180.39123335909872
2*sqrt(n) =  181.8460887673969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.24884613724424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.93331791492324

n =  8268
somme des inverses des racines des entiers jusqu a n =  180.40223100585408
2*sqrt(n) =  181.8570867467089
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.25972316100723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.9443763720097

n =  8269
somme des inverses des racines des entiers jusqu a n =  180.4132279875968
2*sqrt(n) =  181.86808406094787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.2705995343257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.95543415670895

n =  8270
somme des inverses des racines des entiers jusqu a n =  180.42422430444748
2*sqrt(n) =  181.87908071023452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.2814752573168
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.96649126914338

n =  8271
somme des inverses des racines des entiers jusqu a n =  180.4352199565267
2*sqrt(n) =  181.8900766946894
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.29235033009752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.97754770943536

n =  8272
somme des inverses des racines des entiers jusqu a n =  180.44621494395506
2*sqrt(n) =  181.90107201443317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.30322475278496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.98860347770727

n =  8273
somme des inverses des racines des entiers jusqu a n =  180.457209266853
2*sqrt(n) =  181.91206666958627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.3140985254961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  186.99965857408137

n =  8274
somme des inverses des racines des entiers jusqu a n =  180.46820292534105
2*sqrt(n) =  181.92306066026924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.32497164834788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.0107129986799

n =  8275
somme des inverses des racines des entiers jusqu a n =  180.47919591953962
2*sqrt(n) =  181.93405398660252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.33584412145726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.02176675162514

n =  8276
somme des inverses des racines des entiers jusqu a n =  180.49018824956914
2*sqrt(n) =  181.94504664870655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.3467159449411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.03281983303927

n =  8277
somme des inverses des racines des entiers jusqu a n =  180.50117991554998
2*sqrt(n) =  181.9560386467017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.3575871189163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.0438722430444

n =  8278
somme des inverses des racines des entiers jusqu a n =  180.51217091760245
2*sqrt(n) =  181.96702998070833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.36845764349965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.05492398176267

n =  8279
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somme des inverses des racines des entiers jusqu a n =  180.52316125584684
2*sqrt(n) =  181.97802065084673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.37932751880794
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.06597504931614

n =  8280
somme des inverses des racines des entiers jusqu a n =  180.53415093040343
2*sqrt(n) =  181.9890106572372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.3901967449579
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.07702544582685

n =  8281
somme des inverses des racines des entiers jusqu a n =  180.54513994139245
2*sqrt(n) =  182.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.4010653220663
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.08807517141685

n =  8282
somme des inverses des racines des entiers jusqu a n =  180.55612828893405
2*sqrt(n) =  182.0109886792553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.41193325024977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.09912422620803

n =  8283
somme des inverses des racines des entiers jusqu a n =  180.56711597314842
2*sqrt(n) =  182.02197669512327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.42280052962502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.1101726103224

n =  8284
somme des inverses des racines des entiers jusqu a n =  180.57810299415564
2*sqrt(n) =  182.03296404772405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.43366716030857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.12122032388177

n =  8285
somme des inverses des racines des entiers jusqu a n =  180.5890893520758
2*sqrt(n) =  182.04395073717774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.44453314241707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.13226736700807

n =  8286
somme des inverses des racines des entiers jusqu a n =  180.60007504702895
2*sqrt(n) =  182.05493676360442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.45539847606707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.1433137398231

n =  8287
somme des inverses des racines des entiers jusqu a n =  180.6110600791351
2*sqrt(n) =  182.06592212712405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.46626316137502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.15435944244857

n =  8288
somme des inverses des racines des entiers jusqu a n =  180.62204444851417
2*sqrt(n) =  182.07690682785667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.47712719845742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.1654044750063

n =  8289
somme des inverses des racines des entiers jusqu a n =  180.63302815528615
2*sqrt(n) =  182.08789086592222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.4879905874307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.17644883761798
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n =  8290
somme des inverses des racines des entiers jusqu a n =  180.6440111995709
2*sqrt(n) =  182.0988742414406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.49885332841126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.18749253040525

n =  8291
somme des inverses des racines des entiers jusqu a n =  180.65499358148833
2*sqrt(n) =  182.1098569545317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.50971542151547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.1985355534898

n =  8292
somme des inverses des racines des entiers jusqu a n =  180.6659753011582
2*sqrt(n) =  182.12083900531536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.5205768668597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.2095779069932

n =  8293
somme des inverses des racines des entiers jusqu a n =  180.67695635870032
2*sqrt(n) =  182.1318203939114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.5314376645602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.220619591037

n =  8294
somme des inverses des racines des entiers jusqu a n =  180.68793675423447
2*sqrt(n) =  182.14280112043957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.54229781473325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.23166060574272

n =  8295
somme des inverses des racines des entiers jusqu a n =  180.69891648788035
2*sqrt(n) =  182.1537811850196
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.55315731749505
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.24270095123185

n =  8296
somme des inverses des racines des entiers jusqu a n =  180.70989555975763
2*sqrt(n) =  182.1647605877712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.56401617296186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.2537406276259

n =  8297
somme des inverses des racines des entiers jusqu a n =  180.72087396998594
2*sqrt(n) =  182.17573932881405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.57487438124977
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.26477963504618

n =  8298
somme des inverses des racines des entiers jusqu a n =  180.73185171868494
2*sqrt(n) =  182.18671740826773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.58573194247492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.27581797361412

n =  8299
somme des inverses des racines des entiers jusqu a n =  180.74282880597414
2*sqrt(n) =  182.19769482625185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.5965888567534
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.28685564345108

n =  8300
somme des inverses des racines des entiers jusqu a n =  180.7538052319731
2*sqrt(n) =  182.20867158288598
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.6074451242013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.2978926446783

n =  8301
somme des inverses des racines des entiers jusqu a n =  180.76478099680133
2*sqrt(n) =  182.21964767828962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.6183007449346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.30892897741714

n =  8302
somme des inverses des racines des entiers jusqu a n =  180.7757561005783
2*sqrt(n) =  182.23062311258226
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.62915571906927
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.31996464178874

n =  8303
somme des inverses des racines des entiers jusqu a n =  180.7867305434234
2*sqrt(n) =  182.24159788588335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.64001004672133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.33099963791437

n =  8304
somme des inverses des racines des entiers jusqu a n =  180.79770432545607
2*sqrt(n) =  182.25257199831228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.6508637280066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.3420339659151

n =  8305
somme des inverses des racines des entiers jusqu a n =  180.80867744679563
2*sqrt(n) =  182.26354544998844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.66171676304106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.35306762591213

n =  8306
somme des inverses des racines des entiers jusqu a n =  180.8196499075614
2*sqrt(n) =  182.27451824103116
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.67256915194048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.3641006180265

n =  8307
somme des inverses des racines des entiers jusqu a n =  180.83062170787267
2*sqrt(n) =  182.28549037155975
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.68342089482067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.37513294237928

n =  8308
somme des inverses des racines des entiers jusqu a n =  180.8415928478487
2*sqrt(n) =  182.29646184169346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.69427199179745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.38616459909144

n =  8309
somme des inverses des racines des entiers jusqu a n =  180.8525633276087
2*sqrt(n) =  182.30743265155155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.70512244298658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.39719558828403

n =  8310
somme des inverses des racines des entiers jusqu a n =  180.86353314727182
2*sqrt(n) =  182.31840280125317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.71597224850368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.4082259100779

n =  8311
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somme des inverses des racines des entiers jusqu a n =  180.87450230695723
2*sqrt(n) =  182.32937229091752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.7268214084645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.41925556459404

n =  8312
somme des inverses des racines des entiers jusqu a n =  180.885470806784
2*sqrt(n) =  182.3403411206637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.73766992298465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.43028455195324

n =  8313
somme des inverses des racines des entiers jusqu a n =  180.89643864687127
2*sqrt(n) =  182.3513092906108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.7485177921797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.44131287227634

n =  8314
somme des inverses des racines des entiers jusqu a n =  180.907405827338
2*sqrt(n) =  182.36227680087788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.7593650161653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.45234052568418

n =  8315
somme des inverses des racines des entiers jusqu a n =  180.91837234830322
2*sqrt(n) =  182.37324365158395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.77021159505694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.46336751229745

n =  8316
somme des inverses des racines des entiers jusqu a n =  180.92933820988588
2*sqrt(n) =  182.38420984284795
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.78105752897005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.4743938322369

n =  8317
somme des inverses des racines des entiers jusqu a n =  180.9403034122049
2*sqrt(n) =  182.3951753747889
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.79190281802022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.48541948562323

n =  8318
somme des inverses des racines des entiers jusqu a n =  180.9512679553792
2*sqrt(n) =  182.40614024752566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.8027474623228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.49644447257708

n =  8319
somme des inverses des racines des entiers jusqu a n =  180.9622318395276
2*sqrt(n) =  182.4171044611771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.8135914619932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.50746879321903

n =  8320
somme des inverses des racines des entiers jusqu a n =  180.97319506476893
2*sqrt(n) =  182.42806801586207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.82443481714682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.5184924476697

n =  8321
somme des inverses des racines des entiers jusqu a n =  180.984157631222
2*sqrt(n) =  182.43903091169938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.83527752789894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.5295154360496
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n =  8322
somme des inverses des racines des entiers jusqu a n =  180.99511953900551
2*sqrt(n) =  182.44999314880778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.8461195943649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.54053775847922

n =  8323
somme des inverses des racines des entiers jusqu a n =  181.0060807882382
2*sqrt(n) =  182.46095472730596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.85696101665988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.551559415079

n =  8324
somme des inverses des racines des entiers jusqu a n =  181.01704137903872
2*sqrt(n) =  182.4719156473127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.86780179489918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.56258040596947

n =  8325
somme des inverses des racines des entiers jusqu a n =  181.02800131152574
2*sqrt(n) =  182.4828759089466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.87864192919795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.57360073127091

n =  8326
somme des inverses des racines des entiers jusqu a n =  181.03896058581785
2*sqrt(n) =  182.49383551232629
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.88948141967137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.58462039110373

n =  8327
somme des inverses des racines des entiers jusqu a n =  181.04991920203364
2*sqrt(n) =  182.50479445757034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.90032026643453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.59563938558824

n =  8328
somme des inverses des racines des entiers jusqu a n =  181.0608771602916
2*sqrt(n) =  182.51575274479734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.91115846960253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.60665771484474

n =  8329
somme des inverses des racines des entiers jusqu a n =  181.07183446071025
2*sqrt(n) =  182.5267103741258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.92199602929045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.61767537899345

n =  8330
somme des inverses des racines des entiers jusqu a n =  181.08279110340806
2*sqrt(n) =  182.53766734567415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.93283294561326
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.6286923781546

n =  8331
somme des inverses des racines des entiers jusqu a n =  181.09374708850345
2*sqrt(n) =  182.54862365956092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.943669218686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.63970871244837

n =  8332
somme des inverses des racines des entiers jusqu a n =  181.10470241611483
2*sqrt(n) =  182.55957931590441
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.95450484862357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.65072438199485

n =  8333
somme des inverses des racines des entiers jusqu a n =  181.11565708636053
2*sqrt(n) =  182.5705343148231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.9653398355409
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.6617393869142

n =  8334
somme des inverses des racines des entiers jusqu a n =  181.12661109935888
2*sqrt(n) =  182.58148865643525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.97617417955286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.67275372732644

n =  8335
somme des inverses des racines des entiers jusqu a n =  181.13756445522816
2*sqrt(n) =  182.59244234085924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.98700788077434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.68376740335168

n =  8336
somme des inverses des racines des entiers jusqu a n =  181.14851715408662
2*sqrt(n) =  182.60339536821323
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  170.9978409393201
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.6947804151098

n =  8337
somme des inverses des racines des entiers jusqu a n =  181.15946919605247
2*sqrt(n) =  182.61434773861555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.00867335530495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.70579276272085

n =  8338
somme des inverses des racines des entiers jusqu a n =  181.1704205812439
2*sqrt(n) =  182.62529945218432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.01950512884358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.71680444630468

n =  8339
somme des inverses des racines des entiers jusqu a n =  181.18137130977902
2*sqrt(n) =  182.63625050903778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.0303362600508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.72781546598128

n =  8340
somme des inverses des racines des entiers jusqu a n =  181.192321381776
2*sqrt(n) =  182.64720090929399
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.0411667490412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.73882582187036

n =  8341
somme des inverses des racines des entiers jusqu a n =  181.20327079735284
2*sqrt(n) =  182.65815065307106
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.05199659592947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.74983551409187

n =  8342
somme des inverses des racines des entiers jusqu a n =  181.21421955662763
2*sqrt(n) =  182.66909974048704
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.06282580083015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.76084454276548

n =  8343
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somme des inverses des racines des entiers jusqu a n =  181.22516765971835
2*sqrt(n) =  182.68004817165996
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.07365436385788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.771852908011

n =  8344
somme des inverses des racines des entiers jusqu a n =  181.23611510674297
2*sqrt(n) =  182.69099594670777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.08448228512717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.78286060994807

n =  8345
somme des inverses des racines des entiers jusqu a n =  181.2470618978194
2*sqrt(n) =  182.70194306574848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.09530956475254
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.79386764869645

n =  8346
somme des inverses des racines des entiers jusqu a n =  181.25800803306558
2*sqrt(n) =  182.71288952889995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.10613620284846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.8048740243757

n =  8347
somme des inverses des racines des entiers jusqu a n =  181.26895351259932
2*sqrt(n) =  182.72383533628008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.11696219952935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.81587973710543

n =  8348
somme des inverses des racines des entiers jusqu a n =  181.27989833653848
2*sqrt(n) =  182.73478048800672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.12778755490964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.82688478700527

n =  8349
somme des inverses des racines des entiers jusqu a n =  181.29084250500082
2*sqrt(n) =  182.74572498419764
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.13861226910365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.83788917419463

n =  8350
somme des inverses des racines des entiers jusqu a n =  181.3017860181041
2*sqrt(n) =  182.75666882497066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.14943634222575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.8488928987931

n =  8351
somme des inverses des racines des entiers jusqu a n =  181.31272887596606
2*sqrt(n) =  182.76761201044346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.16025977439023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.85989596092006

n =  8352
somme des inverses des racines des entiers jusqu a n =  181.32367107870436
2*sqrt(n) =  182.7785545407338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.1710825657114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.870898360695

n =  8353
somme des inverses des racines des entiers jusqu a n =  181.33461262643667
2*sqrt(n) =  182.78949641595932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.18190471630342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.88190009823728
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n =  8354
somme des inverses des racines des entiers jusqu a n =  181.3455535192806
2*sqrt(n) =  182.80043763623763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.1927262262805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.8929011736662

n =  8355
somme des inverses des racines des entiers jusqu a n =  181.35649375735372
2*sqrt(n) =  182.81137820168635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.20354709575687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.9039015871011

n =  8356
somme des inverses des racines des entiers jusqu a n =  181.36743334077357
2*sqrt(n) =  182.82231811242303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.2143673248466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.91490133866125

n =  8357
somme des inverses des racines des entiers jusqu a n =  181.37837226965766
2*sqrt(n) =  182.8332573685652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.22518691366378
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.92590042846592

n =  8358
somme des inverses des racines des entiers jusqu a n =  181.38931054412345
2*sqrt(n) =  182.84419597023034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.2360058623225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.93689885663426

n =  8359
somme des inverses des racines des entiers jusqu a n =  181.4002481642884
2*sqrt(n) =  182.85513391753594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.24682417093678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.94789662328552

n =  8360
somme des inverses des racines des entiers jusqu a n =  181.4111851302699
2*sqrt(n) =  182.86607121059936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.25764183962062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.95889372853873

n =  8361
somme des inverses des racines des entiers jusqu a n =  181.4221214421853
2*sqrt(n) =  182.87700784953805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.26845886848798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.96989017251306

n =  8362
somme des inverses des racines des entiers jusqu a n =  181.43305710015196
2*sqrt(n) =  182.8879438344693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.27927525765278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.98088595532755

n =  8363
somme des inverses des racines des entiers jusqu a n =  181.44399210428716
2*sqrt(n) =  182.89887916551046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.29009100722894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  187.99188107710123

n =  8364
somme des inverses des racines des entiers jusqu a n =  181.4549264547082
2*sqrt(n) =  182.90981384277882
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.3009061173303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.0028755379531

n =  8365
somme des inverses des racines des entiers jusqu a n =  181.46586015153224
2*sqrt(n) =  182.9207478663916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.31172058807067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.01386933800205

n =  8366
somme des inverses des racines des entiers jusqu a n =  181.4767931948765
2*sqrt(n) =  182.93168123646598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.32253441956385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.02486247736704

n =  8367
somme des inverses des racines des entiers jusqu a n =  181.48772558485817
2*sqrt(n) =  182.94261395311918
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.33334761192359
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.035854956167

n =  8368
somme des inverses des racines des entiers jusqu a n =  181.49865732159432
2*sqrt(n) =  182.95354601646835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.34416016526365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.0468467745207

n =  8369
somme des inverses des racines des entiers jusqu a n =  181.50958840520207
2*sqrt(n) =  182.96447742663054
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.35497207969766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.05783793254696

n =  8370
somme des inverses des racines des entiers jusqu a n =  181.52051883579847
2*sqrt(n) =  182.97540818372286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.36578335533935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.06882843036462

n =  8371
somme des inverses des racines des entiers jusqu a n =  181.53144861350052
2*sqrt(n) =  182.98633828786237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.3765939923023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.0798182680924

n =  8372
somme des inverses des racines des entiers jusqu a n =  181.54237773842522
2*sqrt(n) =  182.99726773916598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.38740399070008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.09080744584892

n =  8373
somme des inverses des racines des entiers jusqu a n =  181.5533062106895
2*sqrt(n) =  183.00819653775073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.3982133506463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.10179596375295

n =  8374
somme des inverses des racines des entiers jusqu a n =  181.5642340304103
2*sqrt(n) =  183.01912468373354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.40902207225446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.11278382192307

n =  8375
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somme des inverses des racines des entiers jusqu a n =  181.57516119770446
2*sqrt(n) =  183.03005217723125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.41983015563798
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.12377102047788

n =  8376
somme des inverses des racines des entiers jusqu a n =  181.58608771268885
2*sqrt(n) =  183.04097901836082
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.43063760091044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.13475755953598

n =  8377
somme des inverses des racines des entiers jusqu a n =  181.59701357548025
2*sqrt(n) =  183.05190520723897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.44144440818516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.14574343921586

n =  8378
somme des inverses des racines des entiers jusqu a n =  181.60793878619546
2*sqrt(n) =  183.06283074398254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.45225057757557
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.15672865963603

n =  8379
somme des inverses des racines des entiers jusqu a n =  181.6188633449512
2*sqrt(n) =  183.07375562870828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.463056109195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.16771322091492

n =  8380
somme des inverses des racines des entiers jusqu a n =  181.62978725186417
2*sqrt(n) =  183.08467986153292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.4738610031568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.178697123171

n =  8381
somme des inverses des racines des entiers jusqu a n =  181.64071050705107
2*sqrt(n) =  183.09560344257315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.48466525957426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.1896803665226

n =  8382
somme des inverses des racines des entiers jusqu a n =  181.6516331106285
2*sqrt(n) =  183.10652637194556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.49546887856056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.20066295108808

n =  8383
somme des inverses des racines des entiers jusqu a n =  181.66255506271307
2*sqrt(n) =  183.11744864976686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.506271860229
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.2116448769858

n =  8384
somme des inverses des racines des entiers jusqu a n =  181.67347636342134
2*sqrt(n) =  183.12837027615356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.51707420469273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.22262614433396

n =  8385
somme des inverses des racines des entiers jusqu a n =  181.68439701286982
2*sqrt(n) =  183.13929125122223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.52787591206493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.23360675325088
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n =  8386
somme des inverses des racines des entiers jusqu a n =  181.69531701117504
2*sqrt(n) =  183.15021157508937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.53867698245867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.2445867038547

n =  8387
somme des inverses des racines des entiers jusqu a n =  181.70623635845342
2*sqrt(n) =  183.16113124787148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.54947741598707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.25556599626367

n =  8388
somme des inverses des racines des entiers jusqu a n =  181.71715505482143
2*sqrt(n) =  183.17205026968497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.56027721276317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.2665446305959

n =  8389
somme des inverses des racines des entiers jusqu a n =  181.72807310039545
2*sqrt(n) =  183.1829686406463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.5710763729
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.27752260696943

n =  8390
somme des inverses des racines des entiers jusqu a n =  181.7389904952918
2*sqrt(n) =  183.19388636087177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.58187489651053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.2884999255024

n =  8391
somme des inverses des racines des entiers jusqu a n =  181.74990723962682
2*sqrt(n) =  183.20480343047777
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.5926727837077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.2994765863128

n =  8392
somme des inverses des racines des entiers jusqu a n =  181.7608233335168
2*sqrt(n) =  183.21571984958058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.60347003460444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.31045258951863

n =  8393
somme des inverses des racines des entiers jusqu a n =  181.771738777078
2*sqrt(n) =  183.2266356182965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.6142666493137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.32142793523792

n =  8394
somme des inverses des racines des entiers jusqu a n =  181.78265357042665
2*sqrt(n) =  183.23755073674172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.62506262794818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.33240262358848

n =  8395
somme des inverses des racines des entiers jusqu a n =  181.79356771367887
2*sqrt(n) =  183.2484652050325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.63585797062086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.3433766546883

n =  8396
somme des inverses des racines des entiers jusqu a n =  181.80448120695087
2*sqrt(n) =  183.2593790232849
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.6466526774444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.35435002865518

n =  8397
somme des inverses des racines des entiers jusqu a n =  181.81539405035872
2*sqrt(n) =  183.27029219161517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.6574467485316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.36532274560696

n =  8398
somme des inverses des racines des entiers jusqu a n =  181.82630624401853
2*sqrt(n) =  183.28120471013932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.66824018399518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.3762948056614

n =  8399
somme des inverses des racines des entiers jusqu a n =  181.83721778804633
2*sqrt(n) =  183.29211657897346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.67903298394785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.38726620893627

n =  8400
somme des inverses des racines des entiers jusqu a n =  181.84812868255813
2*sqrt(n) =  183.3030277982336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.6898251485022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.3982369555493

n =  8401
somme des inverses des racines des entiers jusqu a n =  181.8590389276699
2*sqrt(n) =  183.31393836803574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.70061667777088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.40920704561816

n =  8402
somme des inverses des racines des entiers jusqu a n =  181.86994852349758
2*sqrt(n) =  183.3248482884958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.71140757186646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.42017647926045

n =  8403
somme des inverses des racines des entiers jusqu a n =  181.88085747015708
2*sqrt(n) =  183.33575755972973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.7221978309015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.43114525659382

n =  8404
somme des inverses des racines des entiers jusqu a n =  181.8917657677643
2*sqrt(n) =  183.34666618185344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.73298745498855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.44211337773586

n =  8405
somme des inverses des racines des entiers jusqu a n =  181.90267341643502
2*sqrt(n) =  183.35757415498276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.74377644424004
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.4530808428041

n =  8406
somme des inverses des racines des entiers jusqu a n =  181.91358041628507
2*sqrt(n) =  183.3684814792335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.75456479876846
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.46404765191605

n =  8407
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somme des inverses des racines des entiers jusqu a n =  181.92448676743024
2*sqrt(n) =  183.37938815472145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.76535251868617
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.4750138051891

n =  8408
somme des inverses des racines des entiers jusqu a n =  181.93539246998623
2*sqrt(n) =  183.3902941815624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.77613960410562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.4859793027408

n =  8409
somme des inverses des racines des entiers jusqu a n =  181.94629752406874
2*sqrt(n) =  183.40119955987203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.78692605513913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.49694414468848

n =  8410
somme des inverses des racines des entiers jusqu a n =  181.95720192979346
2*sqrt(n) =  183.412104289766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.79771187189903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.5079083311495

n =  8411
somme des inverses des racines des entiers jusqu a n =  181.968105687276
2*sqrt(n) =  183.42300837136
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.80849705449756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.5188718622412

n =  8412
somme des inverses des racines des entiers jusqu a n =  181.97900879663197
2*sqrt(n) =  183.43391180476962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.81928160304705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.52983473808092

n =  8413
somme des inverses des racines des entiers jusqu a n =  181.98991125797693
2*sqrt(n) =  183.44481459011044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.83006551765962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.54079695878585

n =  8414
somme des inverses des racines des entiers jusqu a n =  182.0008130714264
2*sqrt(n) =  183.45571672749801
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.84084879844755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.55175852447326

n =  8415
somme des inverses des racines des entiers jusqu a n =  182.01171423709584
2*sqrt(n) =  183.46661821704785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.85163144552294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.5627194352603

n =  8416
somme des inverses des racines des entiers jusqu a n =  182.02261475510076
2*sqrt(n) =  183.47751905887543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.86241345899793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.57367969126418

n =  8417
somme des inverses des racines des entiers jusqu a n =  182.03351462555656
2*sqrt(n) =  183.4884192530962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.87319483898463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.584639292602
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n =  8418
somme des inverses des racines des entiers jusqu a n =  182.04441384857864
2*sqrt(n) =  183.49931879982552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.883975585595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.59559823939077

n =  8419
somme des inverses des racines des entiers jusqu a n =  182.05531242428236
2*sqrt(n) =  183.5102176991788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.89475569894114
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.60655653174763

n =  8420
somme des inverses des racines des entiers jusqu a n =  182.06621035278303
2*sqrt(n) =  183.52111595127138
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.90553517913503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.61751416978956

n =  8421
somme des inverses des racines des entiers jusqu a n =  182.07710763419595
2*sqrt(n) =  183.53201355621857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.91631402628857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.62847115363357

n =  8422
somme des inverses des racines des entiers jusqu a n =  182.08800426863635
2*sqrt(n) =  183.54291051413563
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.92709224051376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.63942748339656

n =  8423
somme des inverses des racines des entiers jusqu a n =  182.09890025621948
2*sqrt(n) =  183.5538068251378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.93786982192245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.65038315919548

n =  8424
somme des inverses des racines des entiers jusqu a n =  182.1097955970605
2*sqrt(n) =  183.56470248934025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.94864677062645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.66133818114716

n =  8425
somme des inverses des racines des entiers jusqu a n =  182.12069029127454
2*sqrt(n) =  183.5755975068582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.95942308673764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.67229254936848

n =  8426
somme des inverses des racines des entiers jusqu a n =  182.13158433897675
2*sqrt(n) =  183.58649187780674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.97019877036777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.6832462639762

n =  8427
somme des inverses des racines des entiers jusqu a n =  182.1424777402822
2*sqrt(n) =  183.597385602301
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.98097382162865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.69419932508717

n =  8428
somme des inverses des racines des entiers jusqu a n =  182.15337049530595
2*sqrt(n) =  183.608278680456
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  171.99174824063192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.70515173281805

n =  8429
somme des inverses des racines des entiers jusqu a n =  182.164262604163
2*sqrt(n) =  183.61917111238685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.00252202748936
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.71610348728558

n =  8430
somme des inverses des racines des entiers jusqu a n =  182.17515406696836
2*sqrt(n) =  183.63006289820848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.0132951823126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.72705458860642

n =  8431
somme des inverses des racines des entiers jusqu a n =  182.18604488383696
2*sqrt(n) =  183.64095403803586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.02406770521318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.7380050368972

n =  8432
somme des inverses des racines des entiers jusqu a n =  182.19693505488368
2*sqrt(n) =  183.65184453198395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.03483959630282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.74895483227453

n =  8433
somme des inverses des racines des entiers jusqu a n =  182.20782458022342
2*sqrt(n) =  183.6627343801676
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.04561085569296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.75990397485492

n =  8434
somme des inverses des racines des entiers jusqu a n =  182.218713459971
2*sqrt(n) =  183.6736235827017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.05638148349522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.77085246475497

n =  8435
somme des inverses des racines des entiers jusqu a n =  182.2296016942413
2*sqrt(n) =  183.6845121397011
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.06715147982104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.78180030209114

n =  8436
somme des inverses des racines des entiers jusqu a n =  182.24048928314903
2*sqrt(n) =  183.69540005128056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.0779208447819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.7927474869799

n =  8437
somme des inverses des racines des entiers jusqu a n =  182.25137622680896
2*sqrt(n) =  183.70628731755482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.0886895784892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.80369401953763

n =  8438
somme des inverses des racines des entiers jusqu a n =  182.26226252533579
2*sqrt(n) =  183.71717393863864
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.09945768105436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.81463989988077

n =  8439
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somme des inverses des racines des entiers jusqu a n =  182.27314817884417
2*sqrt(n) =  183.72805991464668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.11022515258873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.82558512812565

n =  8440
somme des inverses des racines des entiers jusqu a n =  182.28403318744876
2*sqrt(n) =  183.73894524569363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.12099199320363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.83652970438862

n =  8441
somme des inverses des racines des entiers jusqu a n =  182.29491755126418
2*sqrt(n) =  183.74982993189408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.13175820301038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.84747362878593

n =  8442
somme des inverses des racines des entiers jusqu a n =  182.30580127040497
2*sqrt(n) =  183.76071397336264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.1425237821202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.85841690143386

n =  8443
somme des inverses des racines des entiers jusqu a n =  182.3166843449857
2*sqrt(n) =  183.77159737021387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.15328873064436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.8693595224486

n =  8444
somme des inverses des racines des entiers jusqu a n =  182.32756677512086
2*sqrt(n) =  183.78248012256228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.16405304869406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.88030149194637

n =  8445
somme des inverses des racines des entiers jusqu a n =  182.33844856092492
2*sqrt(n) =  183.79336223052235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.17481673638045
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.89124281004328

n =  8446
somme des inverses des racines des entiers jusqu a n =  182.3493297025123
2*sqrt(n) =  183.80424369420854
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.18557979381467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.90218347685547

n =  8447
somme des inverses des racines des entiers jusqu a n =  182.36021019999743
2*sqrt(n) =  183.81512451373527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.19634222110778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.913123492499

n =  8448
somme des inverses des racines des entiers jusqu a n =  182.37109005349467
2*sqrt(n) =  183.82600468921692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.20710401837087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.92406285708992

n =  8449
somme des inverses des racines des entiers jusqu a n =  182.38196926311835
2*sqrt(n) =  183.83688422076784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.217865185715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.93500157074425
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n =  8450
somme des inverses des racines des entiers jusqu a n =  182.39284782898275
2*sqrt(n) =  183.84776310850236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.22862572325116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.94593963357798

n =  8451
somme des inverses des racines des entiers jusqu a n =  182.40372575120216
2*sqrt(n) =  183.85864135253476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.23938563109027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.956877045707

n =  8452
somme des inverses des racines des entiers jusqu a n =  182.4146030298908
2*sqrt(n) =  183.86951895297926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.2501449093433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.96781380724724

n =  8453
somme des inverses des racines des entiers jusqu a n =  182.4254796651629
2*sqrt(n) =  183.88039590995012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.2609035581212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.97874991831458

n =  8454
somme des inverses des racines des entiers jusqu a n =  182.4363556571326
2*sqrt(n) =  183.8912722235615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.27166157753476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  188.98968537902485

n =  8455
somme des inverses des racines des entiers jusqu a n =  182.44723100591403
2*sqrt(n) =  183.90214789392755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.28241896769487
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.00062018949387

n =  8456
somme des inverses des racines des entiers jusqu a n =  182.4581057116213
2*sqrt(n) =  183.9130229211624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.29317572871233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.01155434983744

n =  8457
somme des inverses des racines des entiers jusqu a n =  182.46897977436845
2*sqrt(n) =  183.92389730538008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.30393186069787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.0224878601712

n =  8458
somme des inverses des racines des entiers jusqu a n =  182.47985319426954
2*sqrt(n) =  183.9347710466947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.31468736376226
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.0334207206109

n =  8459
somme des inverses des racines des entiers jusqu a n =  182.49072597143854
2*sqrt(n) =  183.94564414522026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.32544223801625
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.04435293127227

n =  8460
somme des inverses des racines des entiers jusqu a n =  182.50159810598942
2*sqrt(n) =  183.9565166010707
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.33619648357043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.05528449227083

n =  8461
somme des inverses des racines des entiers jusqu a n =  182.51246959803612
2*sqrt(n) =  183.96738841436002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.3469501005355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.06621540372225

n =  8462
somme des inverses des racines des entiers jusqu a n =  182.52334044769253
2*sqrt(n) =  183.97825958520207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.35770308902207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.07714566574208

n =  8463
somme des inverses des racines des entiers jusqu a n =  182.5342106550725
2*sqrt(n) =  183.9891301137108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.3684554491407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.08807527844584

n =  8464
somme des inverses des racines des entiers jusqu a n =  182.54508022028992
2*sqrt(n) =  184.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.37920718100193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.09900424194905

n =  8465
somme des inverses des racines des entiers jusqu a n =  182.55594914345852
2*sqrt(n) =  184.0108692441835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.38995828471627
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.1099325563671

n =  8466
somme des inverses des racines des entiers jusqu a n =  182.56681742469206
2*sqrt(n) =  184.0217378463751
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.40070876039422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.12086022181552

n =  8467
somme des inverses des racines des entiers jusqu a n =  182.5776850641043
2*sqrt(n) =  184.0326058066885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.41145860814623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.13178723840963

n =  8468
somme des inverses des racines des entiers jusqu a n =  182.58855206180888
2*sqrt(n) =  184.04347312523745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.4222078280827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.14271360626483

n =  8469
somme des inverses des racines des entiers jusqu a n =  182.59941841791954
2*sqrt(n) =  184.05433980213562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.432956420314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.1536393254964

n =  8470
somme des inverses des racines des entiers jusqu a n =  182.61028413254985
2*sqrt(n) =  184.06520583749662
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.44370438495054
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.16456439621967

n =  8471
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somme des inverses des racines des entiers jusqu a n =  182.62114920581342
2*sqrt(n) =  184.0760712314341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.45445172210256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.17548881854987

n =  8472
somme des inverses des racines des entiers jusqu a n =  182.6320136378238
2*sqrt(n) =  184.08693598406163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.4651984318804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.18641259260224

n =  8473
somme des inverses des racines des entiers jusqu a n =  182.64287742869453
2*sqrt(n) =  184.09780009549272
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.47594451439426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.19733571849196

n =  8474
somme des inverses des racines des entiers jusqu a n =  182.6537405785391
2*sqrt(n) =  184.1086635658409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.48668996975442
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.20825819633416

n =  8475
somme des inverses des racines des entiers jusqu a n =  182.66460308747097
2*sqrt(n) =  184.11952639521968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.49743479807103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.219180026244

n =  8476
somme des inverses des racines des entiers jusqu a n =  182.67546495560356
2*sqrt(n) =  184.13038858374247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.5081789994543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.23010120833658

n =  8477
somme des inverses des racines des entiers jusqu a n =  182.68632618305026
2*sqrt(n) =  184.14125013152267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.51892257401425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.24102174272687

n =  8478
somme des inverses des racines des entiers jusqu a n =  182.69718676992443
2*sqrt(n) =  184.15211103867367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.5296655218611
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.25194162952997

n =  8479
somme des inverses des racines des entiers jusqu a n =  182.70804671633942
2*sqrt(n) =  184.16297130530882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.54040784310482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.2628608688608

n =  8480
somme des inverses des racines des entiers jusqu a n =  182.7189060224085
2*sqrt(n) =  184.1738309315414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.55114953785545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.27377946083436

n =  8481
somme des inverses des racines des entiers jusqu a n =  182.72976468824493
2*sqrt(n) =  184.18468991748472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.56189060622302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.28469740556557
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n =  8482
somme des inverses des racines des entiers jusqu a n =  182.74062271396193
2*sqrt(n) =  184.19554826325202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.57263104831748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.2956147031693

n =  8483
somme des inverses des racines des entiers jusqu a n =  182.7514800996727
2*sqrt(n) =  184.20640596895646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.58337086424874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.30653135376033

n =  8484
somme des inverses des racines des entiers jusqu a n =  182.7623368454904
2*sqrt(n) =  184.21726303471127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.5941100541267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.31744735745355

n =  8485
somme des inverses des racines des entiers jusqu a n =  182.77319295152816
2*sqrt(n) =  184.22811946062956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.60484861806123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.32836271436372

n =  8486
somme des inverses des racines des entiers jusqu a n =  182.78404841789904
2*sqrt(n) =  184.23897524682448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.6155865561622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.3392774246056

n =  8487
somme des inverses des racines des entiers jusqu a n =  182.79490324471615
2*sqrt(n) =  184.24983039340904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.62632386853937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.3501914882939

n =  8488
somme des inverses des racines des entiers jusqu a n =  182.8057574320925
2*sqrt(n) =  184.26068490049633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.63706055530253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.36110490554324

n =  8489
somme des inverses des racines des entiers jusqu a n =  182.81661098014104
2*sqrt(n) =  184.27153876819935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.64779661656138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.37201767646832

n =  8490
somme des inverses des racines des entiers jusqu a n =  182.82746388897476
2*sqrt(n) =  184.28239199663108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.6585320524257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.38292980118376

n =  8491
somme des inverses des racines des entiers jusqu a n =  182.8383161587066
2*sqrt(n) =  184.29324458590446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.6692668630051
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.39384127980415

n =  8492
somme des inverses des racines des entiers jusqu a n =  182.8491677894494
2*sqrt(n) =  184.30409653613236
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.68000104840922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.40475211244393

n =  8493
somme des inverses des racines des entiers jusqu a n =  182.86001878131609
2*sqrt(n) =  184.31494784742773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.69073460874773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.41566229921773

n =  8494
somme des inverses des racines des entiers jusqu a n =  182.87086913441945
2*sqrt(n) =  184.32579851990334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.70146754413014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.42657184023994

n =  8495
somme des inverses des racines des entiers jusqu a n =  182.88171884887228
2*sqrt(n) =  184.33664855367203
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.712199854666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.43748073562506

n =  8496
somme des inverses des racines des entiers jusqu a n =  182.89256792478736
2*sqrt(n) =  184.3474979488466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.72293154046488
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.44838898548747

n =  8497
somme des inverses des racines des entiers jusqu a n =  182.9034163622774
2*sqrt(n) =  184.35834670553976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.7336626016362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.45929658994152

n =  8498
somme des inverses des racines des entiers jusqu a n =  182.91426416145507
2*sqrt(n) =  184.3691948238642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.74439303828945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.47020354910157

n =  8499
somme des inverses des racines des entiers jusqu a n =  182.92511132243305
2*sqrt(n) =  184.38004230393267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.75512285053404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.48110986308197

n =  8500
somme des inverses des racines des entiers jusqu a n =  182.935957845324
2*sqrt(n) =  184.39088914585776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.76585203847935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.49201553199697

n =  8501
somme des inverses des racines des entiers jusqu a n =  182.94680373024048
2*sqrt(n) =  184.40173534975207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.77658060223473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.50292055596074

n =  8502
somme des inverses des racines des entiers jusqu a n =  182.95764897729504
2*sqrt(n) =  184.4125809157282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.78730854190945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.51382493508757

n =  8503
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somme des inverses des racines des entiers jusqu a n =  182.9684935866002
2*sqrt(n) =  184.42342584389868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.7980358576129
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.52472866949157

n =  8504
somme des inverses des racines des entiers jusqu a n =  182.9793375582685
2*sqrt(n) =  184.43427013437605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.80876254945426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.53563175928693

n =  8505
somme des inverses des racines des entiers jusqu a n =  182.99018089241238
2*sqrt(n) =  184.44511378727276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.8194886175428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.54653420458774

n =  8506
somme des inverses des racines des entiers jusqu a n =  183.00102358914427
2*sqrt(n) =  184.45595680270128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.8302140619877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.55743600550807

n =  8507
somme des inverses des racines des entiers jusqu a n =  183.01186564857653
2*sqrt(n) =  184.466799180774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.84093888289812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.56833716216192

n =  8508
somme des inverses des racines des entiers jusqu a n =  183.02270707082158
2*sqrt(n) =  184.4776409216033
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.85166308038316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.57923767466335

n =  8509
somme des inverses des racines des entiers jusqu a n =  183.0335478559917
2*sqrt(n) =  184.48848202530152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.86238665455198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.5901375431263

n =  8510
somme des inverses des racines des entiers jusqu a n =  183.04438800419922
2*sqrt(n) =  184.499322491981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.87310960551358
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.6010367676647

n =  8511
somme des inverses des racines des entiers jusqu a n =  183.0552275155564
2*sqrt(n) =  184.51016232175397
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.883831933377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.61193534839245

n =  8512
somme des inverses des racines des entiers jusqu a n =  183.06606639017545
2*sqrt(n) =  184.52100151473275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.89455363825132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.62283328542344

n =  8513
somme des inverses des racines des entiers jusqu a n =  183.0769046281686
2*sqrt(n) =  184.53184007102948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.90527472024542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.6337305788715
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n =  8514
somme des inverses des racines des entiers jusqu a n =  183.08774222964797
2*sqrt(n) =  184.54267799075637
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.91599517946827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.64462722885042

n =  8515
somme des inverses des racines des entiers jusqu a n =  183.09857919472572
2*sqrt(n) =  184.55351527402559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.9267150160288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.65552323547396

n =  8516
somme des inverses des racines des entiers jusqu a n =  183.10941552351395
2*sqrt(n) =  184.56435192094924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.93743423003588
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.66641859885593

n =  8517
somme des inverses des racines des entiers jusqu a n =  183.1202512161247
2*sqrt(n) =  184.5751879316394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.9481528215983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.6773133191099

n =  8518
somme des inverses des racines des entiers jusqu a n =  183.13108627267002
2*sqrt(n) =  184.5860233062081
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.95887079082493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.68820739634967

n =  8519
somme des inverses des racines des entiers jusqu a n =  183.1419206932619
2*sqrt(n) =  184.59685804476737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.96958813782453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.6991008306888

n =  8520
somme des inverses des racines des entiers jusqu a n =  183.15275447801235
2*sqrt(n) =  184.60769214742922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.98030486270585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.7099936222409

n =  8521
somme des inverses des racines des entiers jusqu a n =  183.16358762703325
2*sqrt(n) =  184.61852561430555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  172.9910209655776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.72088577111953

n =  8522
somme des inverses des racines des entiers jusqu a n =  183.17442014043652
2*sqrt(n) =  184.62935844550833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.00173644654848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.73177727743825

n =  8523
somme des inverses des racines des entiers jusqu a n =  183.18525201833404
2*sqrt(n) =  184.64019064114942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.01245130572713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.74266814131056

n =  8524
somme des inverses des racines des entiers jusqu a n =  183.19608326083764
2*sqrt(n) =  184.65102220134065
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.02316554322215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.7535583628499

n =  8525
somme des inverses des racines des entiers jusqu a n =  183.2069138680591
2*sqrt(n) =  184.66185312619388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.03387915914217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.76444794216974

n =  8526
somme des inverses des racines des entiers jusqu a n =  183.21774384011024
2*sqrt(n) =  184.67268341582087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.04459215359572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.77533687938345

n =  8527
somme des inverses des racines des entiers jusqu a n =  183.22857317710276
2*sqrt(n) =  184.6835130703334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.05530452669134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.7862251746044

n =  8528
somme des inverses des racines des entiers jusqu a n =  183.23940187914837
2*sqrt(n) =  184.69434208984313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.06601627853752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.79711282794594

n =  8529
somme des inverses des racines des entiers jusqu a n =  183.25022994635873
2*sqrt(n) =  184.70517047446182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.07672740924272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.8079998395214

n =  8530
somme des inverses des racines des entiers jusqu a n =  183.2610573788455
2*sqrt(n) =  184.71599822430107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.08743791891536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.81888620944395

n =  8531
somme des inverses des racines des entiers jusqu a n =  183.27188417672028
2*sqrt(n) =  184.72682533947255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.09814780766388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.8297719378269

n =  8532
somme des inverses des racines des entiers jusqu a n =  183.28271034009464
2*sqrt(n) =  184.73765182008782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.10885707559657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.84065702478344

n =  8533
somme des inverses des racines des entiers jusqu a n =  183.29353586908013
2*sqrt(n) =  184.74847766625845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.11956572282187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.85154147042675

n =  8534
somme des inverses des racines des entiers jusqu a n =  183.30436076378825
2*sqrt(n) =  184.75930287809595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.130273749448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.8624252748699

n =  8535
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somme des inverses des racines des entiers jusqu a n =  183.31518502433048
2*sqrt(n) =  184.77012745571184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.14098115558332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.8733084382261

n =  8536
somme des inverses des racines des entiers jusqu a n =  183.32600865081824
2*sqrt(n) =  184.78095139921754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.15168794133595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.88419096060832

n =  8537
somme des inverses des racines des entiers jusqu a n =  183.33683164336296
2*sqrt(n) =  184.79177470872452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.16239410681422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.89507284212968

n =  8538
somme des inverses des racines des entiers jusqu a n =  183.347654002076
2*sqrt(n) =  184.80259738434415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.17309965212624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.9059540829031

n =  8539
somme des inverses des racines des entiers jusqu a n =  183.35847572706876
2*sqrt(n) =  184.81341942618778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.1838045773802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.91683468304157

n =  8540
somme des inverses des racines des entiers jusqu a n =  183.3692968184525
2*sqrt(n) =  184.82424083436675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.19450888268415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.92771464265806

n =  8541
somme des inverses des racines des entiers jusqu a n =  183.38011727633852
2*sqrt(n) =  184.83506160899236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.2052125681462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.93859396186542

n =  8542
somme des inverses des racines des entiers jusqu a n =  183.39093710083807
2*sqrt(n) =  184.84588175017586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.21591563387446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.94947264077658

n =  8543
somme des inverses des racines des entiers jusqu a n =  183.40175629206234
2*sqrt(n) =  184.85670125802852
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.2266180799769
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.96035067950433

n =  8544
somme des inverses des racines des entiers jusqu a n =  183.41257485012255
2*sqrt(n) =  184.8675201326615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.23731990656154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.9712280781615

n =  8545
somme des inverses des racines des entiers jusqu a n =  183.42339277512983
2*sqrt(n) =  184.87833837418594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.24802111373626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.9821048368608
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n =  8546
somme des inverses des racines des entiers jusqu a n =  183.43421006719527
2*sqrt(n) =  184.88915598271305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.2587217016091
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  189.99298095571504

n =  8547
somme des inverses des racines des entiers jusqu a n =  183.44502672643
2*sqrt(n) =  184.89997295835389
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.26942167028787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.00385643483688

n =  8548
somme des inverses des racines des entiers jusqu a n =  183.45584275294505
2*sqrt(n) =  184.91078930121952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.28012101988048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.01473127433903

n =  8549
somme des inverses des racines des entiers jusqu a n =  183.46665814685144
2*sqrt(n) =  184.92160501142098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.29081975049476
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.0256054743341

n =  8550
somme des inverses des racines des entiers jusqu a n =  183.47747290826015
2*sqrt(n) =  184.9324200890693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.30151786223848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.0364790349347

n =  8551
somme des inverses des racines des entiers jusqu a n =  183.48828703728216
2*sqrt(n) =  184.9432345342754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.31221535521945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.04735195625338

n =  8552
somme des inverses des racines des entiers jusqu a n =  183.49910053402837
2*sqrt(n) =  184.95404834715026
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.32291222954538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.0582242384027

n =  8553
somme des inverses des racines des entiers jusqu a n =  183.50991339860968
2*sqrt(n) =  184.9648615278048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.33360848532402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.06909588149517

n =  8554
somme des inverses des racines des entiers jusqu a n =  183.52072563113694
2*sqrt(n) =  184.97567407634983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.34430412266298
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.07996688564324

n =  8555
somme des inverses des racines des entiers jusqu a n =  183.531537231721
2*sqrt(n) =  184.98648599289623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.35499914166994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.09083725095937

n =  8556
somme des inverses des racines des entiers jusqu a n =  183.5423482004726
2*sqrt(n) =  184.99729727755485
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.36569354245256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.101706977556

n =  8557
somme des inverses des racines des entiers jusqu a n =  183.55315853750253
2*sqrt(n) =  185.00810793043638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.37638732511834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.1125760655454

n =  8558
somme des inverses des racines des entiers jusqu a n =  183.56396824292153
2*sqrt(n) =  185.01891795165164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.3870804897749
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.12344451504003

n =  8559
somme des inverses des racines des entiers jusqu a n =  183.57477731684028
2*sqrt(n) =  185.0297273413113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.39777303652968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.1343123261521

n =  8560
somme des inverses des racines des entiers jusqu a n =  183.58558575936945
2*sqrt(n) =  185.04053609952604
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.40846496549025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.1451794989939

n =  8561
somme des inverses des racines des entiers jusqu a n =  183.59639357061968
2*sqrt(n) =  185.0513442264065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.41915627676403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.15604603367774

n =  8562
somme des inverses des racines des entiers jusqu a n =  183.60720075070157
2*sqrt(n) =  185.06215172206336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.42984697045847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.1669119303158

n =  8563
somme des inverses des racines des entiers jusqu a n =  183.61800729972566
2*sqrt(n) =  185.07295858660714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.44053704668096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.17777718902025

n =  8564
somme des inverses des racines des entiers jusqu a n =  183.6288132178025
2*sqrt(n) =  185.0837648201484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.4512265055388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.18864180990317

n =  8565
somme des inverses des racines des entiers jusqu a n =  183.6396185050426
2*sqrt(n) =  185.09457042279766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.46191534713944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.19950579307675

n =  8566
somme des inverses des racines des entiers jusqu a n =  183.6504231615564
2*sqrt(n) =  185.1053753946654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.4726035715901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.21036913865305

n =  8567
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somme des inverses des racines des entiers jusqu a n =  183.6612271874544
2*sqrt(n) =  185.1161797358621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.48329117899806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.2212318467441

n =  8568
somme des inverses des racines des entiers jusqu a n =  183.67203058284693
2*sqrt(n) =  185.12698344649814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.49397816947055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.23209391746192

n =  8569
somme des inverses des racines des entiers jusqu a n =  183.6828333478444
2*sqrt(n) =  185.13778652668395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.50466454311484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.24295535091852

n =  8570
somme des inverses des racines des entiers jusqu a n =  183.69363548255714
2*sqrt(n) =  185.14858897652988
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.51535030003805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.2538161472258

n =  8571
somme des inverses des racines des entiers jusqu a n =  183.70443698709548
2*sqrt(n) =  185.15939079614623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.52603544034736
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.26467630649566

n =  8572
somme des inverses des racines des entiers jusqu a n =  183.71523786156968
2*sqrt(n) =  185.1701919856433
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.53671996414982
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.27553582884002

n =  8573
somme des inverses des racines des entiers jusqu a n =  183.72603810609
2*sqrt(n) =  185.18099254513137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.54740387155263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.28639471437074

n =  8574
somme des inverses des racines des entiers jusqu a n =  183.7368377207666
2*sqrt(n) =  185.19179247472064
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.55808716266273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.2972529631996

n =  8575
somme des inverses des racines des entiers jusqu a n =  183.7476367057097
2*sqrt(n) =  185.20259177452135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.5687698375872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.3081105754384

n =  8576
somme des inverses des racines des entiers jusqu a n =  183.75843506102947
2*sqrt(n) =  185.2133904446436
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.57945189643303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.31896755119888

n =  8577
somme des inverses des racines des entiers jusqu a n =  183.769232786836
2*sqrt(n) =  185.22418848519757
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.59013333930716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.3298238905928
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n =  8578
somme des inverses des racines des entiers jusqu a n =  183.78002988323937
2*sqrt(n) =  185.23498589629335
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.60081416631652
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.34067959373175

n =  8579
somme des inverses des racines des entiers jusqu a n =  183.79082635034965
2*sqrt(n) =  185.24578267804102
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.61149437756808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.3515346607275

n =  8580
somme des inverses des racines des entiers jusqu a n =  183.80162218827684
2*sqrt(n) =  185.25657883055058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.62217397316857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.36238909169157

n =  8581
somme des inverses des racines des entiers jusqu a n =  183.81241739713093
2*sqrt(n) =  185.26737435393204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.63285295322493
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.3732428867356

n =  8582
somme des inverses des racines des entiers jusqu a n =  183.82321197702188
2*sqrt(n) =  185.27816924829543
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.64353131784395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.38409604597115

n =  8583
somme des inverses des racines des entiers jusqu a n =  183.8340059280596
2*sqrt(n) =  185.2889635137506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.65420906713237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.3949485695097

n =  8584
somme des inverses des racines des entiers jusqu a n =  183.84479925035401
2*sqrt(n) =  185.29975715040752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.664886201197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.4058004574628

n =  8585
somme des inverses des racines des entiers jusqu a n =  183.85559194401495
2*sqrt(n) =  185.31055015837603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.67556272014446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.41665170994182

n =  8586
somme des inverses des racines des entiers jusqu a n =  183.86638400915226
2*sqrt(n) =  185.32134253776601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.6862386240815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.42750232705825

n =  8587
somme des inverses des racines des entiers jusqu a n =  183.8771754458757
2*sqrt(n) =  185.33213428868723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.69691391311474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.43835230892347

n =  8588
somme des inverses des racines des entiers jusqu a n =  183.8879662542951
2*sqrt(n) =  185.34292541124952
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.70758858735087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.44920165564886

n =  8589
somme des inverses des racines des entiers jusqu a n =  183.89875643452012
2*sqrt(n) =  185.35371590556258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.71826264689636
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.4600503673457

n =  8590
somme des inverses des racines des entiers jusqu a n =  183.9095459866605
2*sqrt(n) =  185.36450577173613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.72893609185783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.47089844412528

n =  8591
somme des inverses des racines des entiers jusqu a n =  183.92033491082591
2*sqrt(n) =  185.3752950098799
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.73960892234183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.4817458860989

n =  8592
somme des inverses des racines des entiers jusqu a n =  183.93112320712598
2*sqrt(n) =  185.38608362010348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.75028113845482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.4925926933778

n =  8593
somme des inverses des racines des entiers jusqu a n =  183.9419108756703
2*sqrt(n) =  185.39687160251654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.7609527403033
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.50343886607314

n =  8594
somme des inverses des racines des entiers jusqu a n =  183.95269791656844
2*sqrt(n) =  185.40765895722862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.77162372799367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.5142844042961

n =  8595
somme des inverses des racines des entiers jusqu a n =  183.96348432992994
2*sqrt(n) =  185.41844568434934
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.7822941016324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.5251293081578

n =  8596
somme des inverses des racines des entiers jusqu a n =  183.97427011586433
2*sqrt(n) =  185.42923178398814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.79296386132575
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.53597357776934

n =  8597
somme des inverses des racines des entiers jusqu a n =  183.98505527448108
2*sqrt(n) =  185.44001725625458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.80363300718014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.5468172132418

n =  8598
somme des inverses des racines des entiers jusqu a n =  183.99583980588963
2*sqrt(n) =  185.45080210125812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.8143015393019
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.55766021468622

n =  8599
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somme des inverses des racines des entiers jusqu a n =  184.0066237101994
2*sqrt(n) =  185.46158631910814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.82496945779724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.56850258221357

n =  8600
somme des inverses des racines des entiers jusqu a n =  184.01740698751973
2*sqrt(n) =  185.47236990991408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.83563676277248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.57934431593486

n =  8601
somme des inverses des racines des entiers jusqu a n =  184.02818963796003
2*sqrt(n) =  185.4831528737853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.84630345433382
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.59018541596103

n =  8602
somme des inverses des racines des entiers jusqu a n =  184.03897166162957
2*sqrt(n) =  185.4939352108311
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.8569695325874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.60102588240292

n =  8603
somme des inverses des racines des entiers jusqu a n =  184.04975305863766
2*sqrt(n) =  185.5047169211608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.86763499763944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.61186571537147

n =  8604
somme des inverses des racines des entiers jusqu a n =  184.06053382909354
2*sqrt(n) =  185.51549800488368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.87829984959606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.62270491497748

n =  8605
somme des inverses des racines des entiers jusqu a n =  184.07131397310644
2*sqrt(n) =  185.52627846210896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.88896408856334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.63354348133177

n =  8606
somme des inverses des racines des entiers jusqu a n =  184.08209349078555
2*sqrt(n) =  185.5370582929459
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.89962771464735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.64438141454517

n =  8607
somme des inverses des racines des entiers jusqu a n =  184.09287238224005
2*sqrt(n) =  185.5478374975036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.91029072795413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.65521871472833

n =  8608
somme des inverses des racines des entiers jusqu a n =  184.10365064757903
2*sqrt(n) =  185.55861607589122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.92095312858967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.666055381992

n =  8609
somme des inverses des racines des entiers jusqu a n =  184.1144282869116
2*sqrt(n) =  185.5693940282179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.93161491665995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.6768914164469
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n =  8610
somme des inverses des racines des entiers jusqu a n =  184.1252053003468
2*sqrt(n) =  185.58017135459272
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.94227609227096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.6877268182036

n =  8611
somme des inverses des racines des entiers jusqu a n =  184.1359816879937
2*sqrt(n) =  185.59094805512473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.95293665552856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.6985615873728

n =  8612
somme des inverses des racines des entiers jusqu a n =  184.1467574499613
2*sqrt(n) =  185.6017241299229
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.96359660653866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.70939572406502

n =  8613
somme des inverses des racines des entiers jusqu a n =  184.15753258635857
2*sqrt(n) =  185.61249957909624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.97425594540707
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.72022922839082

n =  8614
somme des inverses des racines des entiers jusqu a n =  184.16830709729442
2*sqrt(n) =  185.6232744027537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.98491467223965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.73106210046072

n =  8615
somme des inverses des racines des entiers jusqu a n =  184.17908098287776
2*sqrt(n) =  185.63404860100422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  173.9955727871422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.74189434038524

n =  8616
somme des inverses des racines des entiers jusqu a n =  184.18985424321747
2*sqrt(n) =  185.6448221739567
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.0062302902205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.75272594827481

n =  8617
somme des inverses des racines des entiers jusqu a n =  184.20062687842238
2*sqrt(n) =  185.65559512171993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.01688718158016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.7635569242398

n =  8618
somme des inverses des racines des entiers jusqu a n =  184.21139888860134
2*sqrt(n) =  185.66636744440282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.02754346132704
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.7743872683907

n =  8619
somme des inverses des racines des entiers jusqu a n =  184.2221702738631
2*sqrt(n) =  185.6771391421141
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.0381991295667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.7852169808378

n =  8620
somme des inverses des racines des entiers jusqu a n =  184.2329410343164
2*sqrt(n) =  185.68791021496256
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.0488541864048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.7960460616914

n =  8621
somme des inverses des racines des entiers jusqu a n =  184.24371117007
2*sqrt(n) =  185.69868066305693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.059508631947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.8068745110619

n =  8622
somme des inverses des racines des entiers jusqu a n =  184.2544806812325
2*sqrt(n) =  185.70945048650594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.07016246629888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.81770232905947

n =  8623
somme des inverses des racines des entiers jusqu a n =  184.26524956791263
2*sqrt(n) =  185.72021968541821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.0808156895659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.82852951579437

n =  8624
somme des inverses des racines des entiers jusqu a n =  184.276017830219
2*sqrt(n) =  185.7309882599024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.09146830185364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.83935607137678

n =  8625
somme des inverses des racines des entiers jusqu a n =  184.28678546826015
2*sqrt(n) =  185.7417562100671
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.10212030326755
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.8501819959169

n =  8626
somme des inverses des racines des entiers jusqu a n =  184.29755248214468
2*sqrt(n) =  185.7525235360209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.11277169391312
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.8610072895248

n =  8627
somme des inverses des racines des entiers jusqu a n =  184.30831887198113
2*sqrt(n) =  185.76329023787235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.12342247389577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.87183195231063

n =  8628
somme des inverses des racines des entiers jusqu a n =  184.31908463787795
2*sqrt(n) =  185.77405631572995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.1340726433209
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.88265598438446

n =  8629
somme des inverses des racines des entiers jusqu a n =  184.32984977994363
2*sqrt(n) =  185.78482176970218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.14472220229388
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.89347938585632

n =  8630
somme des inverses des racines des entiers jusqu a n =  184.34061429828662
2*sqrt(n) =  185.79558659989746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.15537115092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.9043021568362

n =  8631
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somme des inverses des racines des entiers jusqu a n =  184.3513781930153
2*sqrt(n) =  185.80635080642426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.1660194893046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.9151242974341

n =  8632
somme des inverses des racines des entiers jusqu a n =  184.36214146423805
2*sqrt(n) =  185.81711438939095
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.176667217553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.92594580775994

n =  8633
somme des inverses des racines des entiers jusqu a n =  184.3729041120632
2*sqrt(n) =  185.82787734890587
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.18731433577037
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.93676668792364

n =  8634
somme des inverses des racines des entiers jusqu a n =  184.38366613659906
2*sqrt(n) =  185.83863968507734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.19796084406192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.94758693803504

n =  8635
somme des inverses des racines des entiers jusqu a n =  184.3944275379539
2*sqrt(n) =  185.84940139801367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.20860674253288
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.95840655820405

n =  8636
somme des inverses des racines des entiers jusqu a n =  184.40518831623598
2*sqrt(n) =  185.8601624878231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2192520312884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.96922554854044

n =  8637
somme des inverses des racines des entiers jusqu a n =  184.4159484715535
2*sqrt(n) =  185.87092295461386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2298967104336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.980043909154

n =  8638
somme des inverses des racines des entiers jusqu a n =  184.4267080040146
2*sqrt(n) =  185.88168279849415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2405407800735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  190.99086164015446

n =  8639
somme des inverses des racines des entiers jusqu a n =  184.43746691372752
2*sqrt(n) =  185.89244201957217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2511842403133
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.0016787416516

n =  8640
somme des inverses des racines des entiers jusqu a n =  184.44822520080032
2*sqrt(n) =  185.903200617956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2618270912579
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.01249521375505

n =  8641
somme des inverses des racines des entiers jusqu a n =  184.4589828653411
2*sqrt(n) =  185.9139585937538
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2724693330124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.02331105657447
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n =  8642
somme des inverses des racines des entiers jusqu a n =  184.46973990745792
2*sqrt(n) =  185.9247159470736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.28311096568171
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.03412627021953

n =  8643
somme des inverses des racines des entiers jusqu a n =  184.4804963272588
2*sqrt(n) =  185.93547267802344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.2937519893708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.04494085479976

n =  8644
somme des inverses des racines des entiers jusqu a n =  184.49125212485174
2*sqrt(n) =  185.94622878671134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.30439240418457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.05575481042473

n =  8645
somme des inverses des racines des entiers jusqu a n =  184.5020073003447
2*sqrt(n) =  185.9569842732453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.3150322102279
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.066568137204

n =  8646
somme des inverses des racines des entiers jusqu a n =  184.5127618538456
2*sqrt(n) =  185.96773913773325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.32567140760568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.07738083524703

n =  8647
somme des inverses des racines des entiers jusqu a n =  184.52351578546237
2*sqrt(n) =  185.97849338028308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.33630999642267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.0881929046633

n =  8648
somme des inverses des racines des entiers jusqu a n =  184.53426909530285
2*sqrt(n) =  185.98924700100272
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.3469479767837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.09900434556224

n =  8649
somme des inverses des racines des entiers jusqu a n =  184.54502178347488
2*sqrt(n) =  186.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.3575853487935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.10981515805327

n =  8650
somme des inverses des racines des entiers jusqu a n =  184.5557738500863
2*sqrt(n) =  186.01075237738274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.36822211255682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.1206253422457

n =  8651
somme des inverses des racines des entiers jusqu a n =  184.56652529524484
2*sqrt(n) =  186.02150413325873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.37885826817836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.13143489824893

n =  8652
somme des inverses des racines des entiers jusqu a n =  184.57727611905827
2*sqrt(n) =  186.03225526773576
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.38949381576282
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.14224382617223

n =  8653
somme des inverses des racines des entiers jusqu a n =  184.58802632163432
2*sqrt(n) =  186.04300578092153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.4001287554148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.1530521261249

n =  8654
somme des inverses des racines des entiers jusqu a n =  184.59877590308065
2*sqrt(n) =  186.05375567292373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.4107630872389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.16385979821615

n =  8655
somme des inverses des racines des entiers jusqu a n =  184.6095248635049
2*sqrt(n) =  186.06450494385004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.42139681133975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.17466684255518

n =  8656
somme des inverses des racines des entiers jusqu a n =  184.6202732030147
2*sqrt(n) =  186.07525359380813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.43202992782187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.18547325925127

n =  8657
somme des inverses des racines des entiers jusqu a n =  184.63102092171766
2*sqrt(n) =  186.08600162290554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.44266243678976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.19627904841343

n =  8658
somme des inverses des racines des entiers jusqu a n =  184.64176801972133
2*sqrt(n) =  186.09674903124989
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.45329433834797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.20708421015084

n =  8659
somme des inverses des racines des entiers jusqu a n =  184.6525144971332
2*sqrt(n) =  186.10749581894868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.46392563260088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.21788874457258

n =  8660
somme des inverses des racines des entiers jusqu a n =  184.6632603540608
2*sqrt(n) =  186.11824198610947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.474556319653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.2286926517877

n =  8661
somme des inverses des racines des entiers jusqu a n =  184.6740055906116
2*sqrt(n) =  186.12898753283972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.48518639960866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.23949593190522

n =  8662
somme des inverses des racines des entiers jusqu a n =  184.68475020689303
2*sqrt(n) =  186.13973245924686
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.49581587257228
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.25029858503413

n =  8663
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somme des inverses des racines des entiers jusqu a n =  184.69549420301246
2*sqrt(n) =  186.15047676543836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.5064447386482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.2611006112834

n =  8664
somme des inverses des racines des entiers jusqu a n =  184.7062375790773
2*sqrt(n) =  186.16122045152153
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.51707299794072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.27190201076195

n =  8665
somme des inverses des racines des entiers jusqu a n =  184.71698033519488
2*sqrt(n) =  186.17196351760379
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.5277006505541
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.28270278357863

n =  8666
somme des inverses des racines des entiers jusqu a n =  184.7277224714725
2*sqrt(n) =  186.18270596379247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.53832769659263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.2935029298424

n =  8667
somme des inverses des racines des entiers jusqu a n =  184.73846398801746
2*sqrt(n) =  186.1934477901948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.54895413616046
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.30430244966198

n =  8668
somme des inverses des racines des entiers jusqu a n =  184.74920488493697
2*sqrt(n) =  186.2041889969181
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.55957996936186
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.31510134314624

n =  8669
somme des inverses des racines des entiers jusqu a n =  184.75994516233828
2*sqrt(n) =  186.2149295840696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.57020519630098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.32589961040392

n =  8670
somme des inverses des racines des entiers jusqu a n =  184.77068482032857
2*sqrt(n) =  186.22566955175648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.5808298170819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.33669725154377

n =  8671
somme des inverses des racines des entiers jusqu a n =  184.781423859015
2*sqrt(n) =  186.2364089000859
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.59145383180874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.3474942666745

n =  8672
somme des inverses des racines des entiers jusqu a n =  184.7921622785047
2*sqrt(n) =  186.24714762916506
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.60207724058563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.35829065590477

n =  8673
somme des inverses des racines des entiers jusqu a n =  184.80290007890474
2*sqrt(n) =  186.257885739101
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.61270004351655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.36908641934323
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n =  8674
somme des inverses des racines des entiers jusqu a n =  184.8136372603222
2*sqrt(n) =  186.26862323000083
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.62332224070553
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.37988155709849

n =  8675
somme des inverses des racines des entiers jusqu a n =  184.8243738228641
2*sqrt(n) =  186.27936010197158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.63394383225653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.3906760692791

n =  8676
somme des inverses des racines des entiers jusqu a n =  184.83510976663743
2*sqrt(n) =  186.29009635512028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.64456481827352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.40146995599366

n =  8677
somme des inverses des racines des entiers jusqu a n =  184.8458450917492
2*sqrt(n) =  186.30083198955393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.65518519886044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.41226321735067

n =  8678
somme des inverses des racines des entiers jusqu a n =  184.8565797983063
2*sqrt(n) =  186.31156700537946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.66580497412116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.4230558534586

n =  8679
somme des inverses des racines des entiers jusqu a n =  184.8673138864157
2*sqrt(n) =  186.3223014027038
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.67642414415957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.43384786442593

n =  8680
somme des inverses des racines des entiers jusqu a n =  184.87804735618423
2*sqrt(n) =  186.33303518163385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.68704270907946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.44463925036104

n =  8681
somme des inverses des racines des entiers jusqu a n =  184.88878020771875
2*sqrt(n) =  186.34376834227646
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.69766066898467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.45543001137236

n =  8682
somme des inverses des racines des entiers jusqu a n =  184.89951244112606
2*sqrt(n) =  186.35450088473848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.70827802397895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.46622014756824

n =  8683
somme des inverses des racines des entiers jusqu a n =  184.91024405651297
2*sqrt(n) =  186.36523280912672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.71889477416607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.47700965905705

n =  8684
somme des inverses des racines des entiers jusqu a n =  184.9209750539862
2*sqrt(n) =  186.3759641155479
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.72951091964973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.487798545947

n =  8685
somme des inverses des racines des entiers jusqu a n =  184.93170543365255
2*sqrt(n) =  186.3866948041088
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.7401264605336
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.4985868083464

n =  8686
somme des inverses des racines des entiers jusqu a n =  184.94243519561866
2*sqrt(n) =  186.3974248749161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.75074139692134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.5093744463635

n =  8687
somme des inverses des racines des entiers jusqu a n =  184.95316433999116
2*sqrt(n) =  186.40815432807653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.7613557289166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.5201614601065

n =  8688
somme des inverses des racines des entiers jusqu a n =  184.96389286687673
2*sqrt(n) =  186.4188831636967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.771969456623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.53094784968357

n =  8689
somme des inverses des racines des entiers jusqu a n =  184.97462077638195
2*sqrt(n) =  186.4296113818832
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.782582580144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.54173361520282

n =  8690
somme des inverses des racines des entiers jusqu a n =  184.9853480686134
2*sqrt(n) =  186.44033898274267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.79319509958324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.5525187567724

n =  8691
somme des inverses des racines des entiers jusqu a n =  184.99607474367764
2*sqrt(n) =  186.45106596638163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.80380701504419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.56330327450036

n =  8692
somme des inverses des racines des entiers jusqu a n =  185.00680080168115
2*sqrt(n) =  186.46179233290664
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.81441832663032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.5740871684948

n =  8693
somme des inverses des racines des entiers jusqu a n =  185.0175262427304
2*sqrt(n) =  186.47251808242416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.8250290344451
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.58487043886367

n =  8694
somme des inverses des racines des entiers jusqu a n =  185.0282510669319
2*sqrt(n) =  186.48324321504063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.8356391385919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.59565308571499

n =  8695
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somme des inverses des racines des entiers jusqu a n =  185.03897527439196
2*sqrt(n) =  186.49396773086255
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.84624863917418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.60643510915673

n =  8696
somme des inverses des racines des entiers jusqu a n =  185.04969886521704
2*sqrt(n) =  186.50469162999627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.85685753629522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.61721650929678

n =  8697
somme des inverses des racines des entiers jusqu a n =  185.06042183951348
2*sqrt(n) =  186.51541491254818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.86746583005842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.62799728624307

n =  8698
somme des inverses des racines des entiers jusqu a n =  185.07114419738764
2*sqrt(n) =  186.52613757862463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.87807352056706
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.6387774401034

n =  8699
somme des inverses des racines des entiers jusqu a n =  185.08186593894578
2*sqrt(n) =  186.5368596283319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.88868060792439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.64955697098569

n =  8700
somme des inverses des racines des entiers jusqu a n =  185.09258706429415
2*sqrt(n) =  186.5475810617763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.89928709223364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.66033587899764

n =  8701
somme des inverses des racines des entiers jusqu a n =  185.103307573539
2*sqrt(n) =  186.55830187906406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.90989297359803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.67111416424706

n =  8702
somme des inverses des racines des entiers jusqu a n =  185.11402746678655
2*sqrt(n) =  186.56902208030144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.9204982521208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.68189182684173

n =  8703
somme des inverses des racines des entiers jusqu a n =  185.12474674414295
2*sqrt(n) =  186.57974166559455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.93110292790504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.6926688668893

n =  8704
somme des inverses des racines des entiers jusqu a n =  185.13546540571437
2*sqrt(n) =  186.59046063504962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.9417070010539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.7034452844975

n =  8705
somme des inverses des racines des entiers jusqu a n =  185.1461834516069
2*sqrt(n) =  186.60117898877274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.95231047167047
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.7142210797739
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n =  8706
somme des inverses des racines des entiers jusqu a n =  185.15690088192662
2*sqrt(n) =  186.61189672687001
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.96291333985778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.72499625282614

n =  8707
somme des inverses des racines des entiers jusqu a n =  185.1676176967796
2*sqrt(n) =  186.6226138494475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.9735156057189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.7357708037618

n =  8708
somme des inverses des racines des entiers jusqu a n =  185.17833389627182
2*sqrt(n) =  186.63333035661128
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.98411726935686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.7465447326885

n =  8709
somme des inverses des racines des entiers jusqu a n =  185.1890494805093
2*sqrt(n) =  186.6440462484673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  174.99471833087458
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.75731803971368

n =  8710
somme des inverses des racines des entiers jusqu a n =  185.199764449598
2*sqrt(n) =  186.65476152512156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.00531879037501
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.76809072494484

n =  8711
somme des inverses des racines des entiers jusqu a n =  185.21047880364384
2*sqrt(n) =  186.66547618668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.01591864796112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.77886278848945

n =  8712
somme des inverses des racines des entiers jusqu a n =  185.22119254275273
2*sqrt(n) =  186.67619023324855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.02651790373577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.78963423045494

n =  8713
somme des inverses des racines des entiers jusqu a n =  185.23190566703053
2*sqrt(n) =  186.68690366493306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.03711655780177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.80040505094868

n =  8714
somme des inverses des racines des entiers jusqu a n =  185.24261817658308
2*sqrt(n) =  186.69761648183942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.04771461026203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.8111752500781

n =  8715
somme des inverses des racines des entiers jusqu a n =  185.2533300715162
2*sqrt(n) =  186.70832868407345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.05831206121934
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.82194482795052

n =  8716
somme des inverses des racines des entiers jusqu a n =  185.26404135193565
2*sqrt(n) =  186.7190402717409
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.0689089107764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.83271378467316

n =  8717
somme des inverses des racines des entiers jusqu a n =  185.27475201794718
2*sqrt(n) =  186.72975124494758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.07950515903602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.84348212035337

n =  8718
somme des inverses des racines des entiers jusqu a n =  185.28546206965652
2*sqrt(n) =  186.7404616037992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.09010080610085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.85424983509836

n =  8719
somme des inverses des racines des entiers jusqu a n =  185.29617150716933
2*sqrt(n) =  186.75117134840144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.10069585207364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.86501692901535

n =  8720
somme des inverses des racines des entiers jusqu a n =  185.3068803305913
2*sqrt(n) =  186.76188047886004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.11129029705702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.87578340221154

n =  8721
somme des inverses des racines des entiers jusqu a n =  185.31758854002803
2*sqrt(n) =  186.77258899528056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.12188414115357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.88654925479403

n =  8722
somme des inverses des racines des entiers jusqu a n =  185.3282961355851
2*sqrt(n) =  186.78329689776868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.13247738446597
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.89731448687002

n =  8723
somme des inverses des racines des entiers jusqu a n =  185.33900311736812
2*sqrt(n) =  186.79400418642993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.1430700270967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.90807909854652

n =  8724
somme des inverses des racines des entiers jusqu a n =  185.3497094854826
2*sqrt(n) =  186.80471086136987
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.15366206914837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.91884308993062

n =  8725
somme des inverses des racines des entiers jusqu a n =  185.36041524003406
2*sqrt(n) =  186.81541692269406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.16425351072343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.92960646112937

n =  8726
somme des inverses des racines des entiers jusqu a n =  185.37112038112795
2*sqrt(n) =  186.82612237050793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.17484435192438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.9403692122497

n =  8727
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somme des inverses des racines des entiers jusqu a n =  185.38182490886973
2*sqrt(n) =  186.83682720491697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.18543459285365
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.95113134339863

n =  8728
somme des inverses des racines des entiers jusqu a n =  185.3925288233648
2*sqrt(n) =  186.8475314260266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.19602423361368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.96189285468304

n =  8729
somme des inverses des racines des entiers jusqu a n =  185.40323212471858
2*sqrt(n) =  186.85823503394224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.2066132743069
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.97265374620991

n =  8730
somme des inverses des racines des entiers jusqu a n =  185.41393481303638
2*sqrt(n) =  186.86893802876924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.2172017150356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.98341401808605

n =  8731
somme des inverses des racines des entiers jusqu a n =  185.42463688842355
2*sqrt(n) =  186.87964041061295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.22778955590215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  191.99417367041835

n =  8732
somme des inverses des racines des entiers jusqu a n =  185.43533835098538
2*sqrt(n) =  186.89034217957865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.2383767970088
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.00493270331356

n =  8733
somme des inverses des racines des entiers jusqu a n =  185.4460392008271
2*sqrt(n) =  186.90104333577167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.24896343845793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.01569111687854

n =  8734
somme des inverses des racines des entiers jusqu a n =  185.456739438054
2*sqrt(n) =  186.9117438792972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.2595494803517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.02644891121994

n =  8735
somme des inverses des racines des entiers jusqu a n =  185.46743906277123
2*sqrt(n) =  186.92244381026052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.27013492279235
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.0372060864446

n =  8736
somme des inverses des racines des entiers jusqu a n =  185.47813807508402
2*sqrt(n) =  186.93314312876677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.28071976588208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.04796264265912

n =  8737
somme des inverses des racines des entiers jusqu a n =  185.48883647509746
2*sqrt(n) =  186.9438418349211
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.291304009723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.05871857997013
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n =  8738
somme des inverses des racines des entiers jusqu a n =  185.49953426291668
2*sqrt(n) =  186.9545399288287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.30188765441733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.06947389848438

n =  8739
somme des inverses des racines des entiers jusqu a n =  185.51023143864677
2*sqrt(n) =  186.9652374105946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.31247070006705
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.08022859830837

n =  8740
somme des inverses des racines des entiers jusqu a n =  185.5209280023928
2*sqrt(n) =  186.97593428032388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.3230531467743
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.09098267954866

n =  8741
somme des inverses des racines des entiers jusqu a n =  185.53162395425974
2*sqrt(n) =  186.98663053812163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.33363499464116
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.10173614231186

n =  8742
somme des inverses des racines des entiers jusqu a n =  185.54231929435264
2*sqrt(n) =  186.9973261840928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.34421624376955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.11248898670442

n =  8743
somme des inverses des racines des entiers jusqu a n =  185.55301402277644
2*sqrt(n) =  187.0080212183424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.3547968942615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.12324121283285

n =  8744
somme des inverses des racines des entiers jusqu a n =  185.56370813963605
2*sqrt(n) =  187.01871564097536
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.365376946219
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.13399282080354

n =  8745
somme des inverses des racines des entiers jusqu a n =  185.5744016450364
2*sqrt(n) =  187.0294094520966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.3759563997439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.14474381072293

n =  8746
somme des inverses des racines des entiers jusqu a n =  185.58509453908235
2*sqrt(n) =  187.040102651811
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.38653525493814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.15549418269742

n =  8747
somme des inverses des racines des entiers jusqu a n =  185.59578682187876
2*sqrt(n) =  187.05079524022347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.39711351190363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.16624393683338

n =  8748
somme des inverses des racines des entiers jusqu a n =  185.60647849353043
2*sqrt(n) =  187.06148721743875
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.4076911707421
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.17699307323707

n =  8749
somme des inverses des racines des entiers jusqu a n =  185.61716955414212
2*sqrt(n) =  187.0721785835617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.41826823155546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.18774159201485

n =  8750
somme des inverses des racines des entiers jusqu a n =  185.62786000381863
2*sqrt(n) =  187.08286933869707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.42884469444542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.1984894932729

n =  8751
somme des inverses des racines des entiers jusqu a n =  185.63854984266464
2*sqrt(n) =  187.0935594829496
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.43942055951376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.2092367771175

n =  8752
somme des inverses des racines des entiers jusqu a n =  185.64923907078486
2*sqrt(n) =  187.104249016424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.44999582686225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.21998344365488

n =  8753
somme des inverses des racines des entiers jusqu a n =  185.65992768828394
2*sqrt(n) =  187.11493793922494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.4605704965925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.23072949299114

n =  8754
somme des inverses des racines des entiers jusqu a n =  185.67061569526655
2*sqrt(n) =  187.12562625145708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.47114456880624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.2414749252325

n =  8755
somme des inverses des racines des entiers jusqu a n =  185.68130309183726
2*sqrt(n) =  187.13631395322503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.48171804360507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.252219740485

n =  8756
somme des inverses des racines des entiers jusqu a n =  185.69198987810066
2*sqrt(n) =  187.14700104463336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.4922909210906
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.26296393885474

n =  8757
somme des inverses des racines des entiers jusqu a n =  185.7026760541613
2*sqrt(n) =  187.15768752578666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.50286320136445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.27370752044777

n =  8758
somme des inverses des racines des entiers jusqu a n =  185.71336162012366
2*sqrt(n) =  187.16837339678943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.5134348845281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.2844504853701

n =  8759
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somme des inverses des racines des entiers jusqu a n =  185.72404657609226
2*sqrt(n) =  187.17905865774622
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.52400597068313
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.29519283372775

n =  8760
somme des inverses des racines des entiers jusqu a n =  185.73473092217154
2*sqrt(n) =  187.18974330876145
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.53457645993103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.30593456562667

n =  8761
somme des inverses des racines des entiers jusqu a n =  185.7454146584659
2*sqrt(n) =  187.20042734993956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.5451463523732
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.31667568117274

n =  8762
somme des inverses des racines des entiers jusqu a n =  185.75609778507976
2*sqrt(n) =  187.21111078138497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.55571564811115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.3274161804719

n =  8763
somme des inverses des racines des entiers jusqu a n =  185.7667803021175
2*sqrt(n) =  187.2217936032021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.56628434724624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.33815606363

n =  8764
somme des inverses des racines des entiers jusqu a n =  185.77746220968342
2*sqrt(n) =  187.2324758154952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.57685244987985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.34889533075287

n =  8765
somme des inverses des racines des entiers jusqu a n =  185.78814350788184
2*sqrt(n) =  187.2431574183687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.58741995611337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.35963398194636

n =  8766
somme des inverses des racines des entiers jusqu a n =  185.79882419681704
2*sqrt(n) =  187.2538384119268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.59798686604805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.37037201731619

n =  8767
somme des inverses des racines des entiers jusqu a n =  185.80950427659326
2*sqrt(n) =  187.26451879627385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.60855317978528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.38110943696813

n =  8768
somme des inverses des racines des entiers jusqu a n =  185.82018374731473
2*sqrt(n) =  187.275198571514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.61911889742623
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.3918462410079

n =  8769
somme des inverses des racines des entiers jusqu a n =  185.8308626090856
2*sqrt(n) =  187.2858777377515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.62968401907213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.40258242954116
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n = 8770
somme des inverses des racines des entiers jusqu a n = 185.84154086201008
2*sqrt(n) = 187.29655629509048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.64024854482426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.4133180026736

n = 8771
somme des inverses des racines des entiers jusqu a n = 185.85221850619226
2*sqrt(n) = 187.30723424363512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.65081247478375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.4240529605108

n = 8772
somme des inverses des racines des entiers jusqu a n = 185.86289554173624
2*sqrt(n) = 187.31791158348952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.66137580905175
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.4347873031584

n = 8773
somme des inverses des racines des entiers jusqu a n = 185.8735719687461
2*sqrt(n) = 187.32858831475778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.6719385477294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.44552103072198

n = 8774
somme des inverses des racines des entiers jusqu a n = 185.88424778732585
2*sqrt(n) = 187.3392644375439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.68250069091775
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.45625414330698

n = 8775
somme des inverses des racines des entiers jusqu a n = 185.89492299757953
2*sqrt(n) = 187.34993995195194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.69306223871789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.46698664101896

n = 8776
somme des inverses des racines des entiers jusqu a n = 185.9055975996111
2*sqrt(n) = 187.3606148580859
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.70362319123086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.47771852396343

n = 8777
somme des inverses des racines des entiers jusqu a n = 185.9162715935245
2*sqrt(n) = 187.37128915604973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.71418354855763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.48844979224577

n = 8778
somme des inverses des racines des entiers jusqu a n = 185.92694497942367
2*sqrt(n) = 187.38196284594736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.72474331079917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.49918044597143

n = 8779
somme des inverses des racines des entiers jusqu a n = 185.9376177574125
2*sqrt(n) = 187.3926359278827
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 = 175.7353024780565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler = 192.5099104852458

n = 8780
somme des inverses des racines des entiers jusqu a n = 185.94828992759486
2*sqrt(n) = 187.40330840195966

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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.7458610504305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.52063991017422

n =  8781
somme des inverses des racines des entiers jusqu a n =  185.95896149007456
2*sqrt(n) =  187.41398026828202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.75641902802204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.53136872086202

n =  8782
somme des inverses des racines des entiers jusqu a n =  185.96963244495538
2*sqrt(n) =  187.42465152695362
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.76697641093196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.54209691741445

n =  8783
somme des inverses des racines des entiers jusqu a n =  185.98030279234112
2*sqrt(n) =  187.43532217807828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.77753319926117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.55282449993683

n =  8784
somme des inverses des racines des entiers jusqu a n =  185.99097253233552
2*sqrt(n) =  187.4459922217597
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.7880893931104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.56355146853434

n =  8785
somme des inverses des racines des entiers jusqu a n =  186.00164166504229
2*sqrt(n) =  187.45666165810167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.79864499258048
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.57427782331226

n =  8786
somme des inverses des racines des entiers jusqu a n =  186.01231019056513
2*sqrt(n) =  187.46733048720782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.8091999977721
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.58500356437568

n =  8787
somme des inverses des racines des entiers jusqu a n =  186.02297810900768
2*sqrt(n) =  187.47799870918186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.81975440878603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.59572869182978

n =  8788
somme des inverses des racines des entiers jusqu a n =  186.03364542047356
2*sqrt(n) =  187.48866632412745
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.83030822572294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.6064532057797

n =  8789
somme des inverses des racines des entiers jusqu a n =  186.04431212506637
2*sqrt(n) =  187.49933333214815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.8408614486835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.61717710633047

n =  8790
somme des inverses des racines des entiers jusqu a n =  186.05497822288964
2*sqrt(n) =  187.50999973334754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.8514140777683
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.62790039358714

n =  8791
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somme des inverses des racines des entiers jusqu a n =  186.06564371404696
2*sqrt(n) =  187.52066552782924
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.86196611307807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.63862306765483

n =  8792
somme des inverses des racines des entiers jusqu a n =  186.0763085986418
2*sqrt(n) =  187.53133071569667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.87251755471323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.6493451286384

n =  8793
somme des inverses des racines des entiers jusqu a n =  186.08697287677765
2*sqrt(n) =  187.5419952970534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.8830684027744
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.6600665766429

n =  8794
somme des inverses des racines des entiers jusqu a n =  186.09763654855794
2*sqrt(n) =  187.55265927200287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.8936186573621
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.67078741177323

n =  8795
somme des inverses des racines des entiers jusqu a n =  186.10829961408612
2*sqrt(n) =  187.5633226406485
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.90416831857684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.6815076341343

n =  8796
somme des inverses des racines des entiers jusqu a n =  186.11896207346555
2*sqrt(n) =  187.57398540309367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.91471738651902
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.69222724383098

n =  8797
somme des inverses des racines des entiers jusqu a n =  186.1296239267996
2*sqrt(n) =  187.5846475594418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.92526586128915
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.70294624096815

n =  8798
somme des inverses des racines des entiers jusqu a n =  186.14028517419163
2*sqrt(n) =  187.59530910979623
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.93581374298756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.71366462565055

n =  8799
somme des inverses des racines des entiers jusqu a n =  186.1509458157449
2*sqrt(n) =  187.60597005426027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.9463610317147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.72438239798305

n =  8800
somme des inverses des racines des entiers jusqu a n =  186.16160585156268
2*sqrt(n) =  187.6166303929372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.9569077275709
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.73509955807035

n =  8801
somme des inverses des racines des entiers jusqu a n =  186.17226528174822
2*sqrt(n) =  187.62729012593024
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.96745383065644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.74581610601714
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n =  8802
somme des inverses des racines des entiers jusqu a n =  186.18292410640476
2*sqrt(n) =  187.63794925334267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.97799934107164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.75653204192818

n =  8803
somme des inverses des racines des entiers jusqu a n =  186.19358232563542
2*sqrt(n) =  187.64860777527767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.98854425891676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.7672473659081

n =  8804
somme des inverses des racines des entiers jusqu a n =  186.2042399395434
2*sqrt(n) =  187.6592656918384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  175.99908858429205
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.7779620780616

n =  8805
somme des inverses des racines des entiers jusqu a n =  186.21489694823183
2*sqrt(n) =  187.66992300312802
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.00963231729773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.78867617849318

n =  8806
somme des inverses des racines des entiers jusqu a n =  186.22555335180377
2*sqrt(n) =  187.68057970924963
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.02017545803392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.79938966730748

n =  8807
somme des inverses des racines des entiers jusqu a n =  186.23620915036233
2*sqrt(n) =  187.6912358103063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.03071800660084
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.810102544609

n =  8808
somme des inverses des racines des entiers jusqu a n =  186.2468643440105
2*sqrt(n) =  187.70189130640105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.04125996309855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.8208148105023

n =  8809
somme des inverses des racines des entiers jusqu a n =  186.25751893285133
2*sqrt(n) =  187.71254619763698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.0518013276272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.83152646509188

n =  8810
somme des inverses des racines des entiers jusqu a n =  186.26817291698777
2*sqrt(n) =  187.72320048411703
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.0623421002868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.84223750848213

n =  8811
somme des inverses des racines des entiers jusqu a n =  186.27882629652277
2*sqrt(n) =  187.7338541659442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.07288228117747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.85294794077757

n =  8812
somme des inverses des racines des entiers jusqu a n =  186.28947907155927
2*sqrt(n) =  187.74450724322136
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.08342187039912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.86365776208248

n =  8813
somme des inverses des racines des entiers jusqu a n =  186.30013124220014
2*sqrt(n) =  187.75515971605148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.09396086805182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.8743669725013

n =  8814
somme des inverses des racines des entiers jusqu a n =  186.31078280854825
2*sqrt(n) =  187.7658115845374
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.10449927423548
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.88507557213836

n =  8815
somme des inverses des racines des entiers jusqu a n =  186.32143377070645
2*sqrt(n) =  187.776462848782
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.11503708905002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.89578356109797

n =  8816
somme des inverses des racines des entiers jusqu a n =  186.3320841287775
2*sqrt(n) =  187.78711350888804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.12557431259535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.90649093948437

n =  8817
somme des inverses des racines des entiers jusqu a n =  186.3427338828642
2*sqrt(n) =  187.79776356495836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.13611094497134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.91719770740187

n =  8818
somme des inverses des racines des entiers jusqu a n =  186.3533830330693
2*sqrt(n) =  187.8084130170957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.1466469862778
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.92790386495463

n =  8819
somme des inverses des racines des entiers jusqu a n =  186.3640315794955
2*sqrt(n) =  187.8190618654028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.15718243661462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.93860941224688

n =  8820
somme des inverses des racines des entiers jusqu a n =  186.37467952224551
2*sqrt(n) =  187.82971010998233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.1677172960815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.94931434938275

n =  8821
somme des inverses des racines des entiers jusqu a n =  186.38532686142196
2*sqrt(n) =  187.84035775093702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.17825156477826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.9600186764664

n =  8822
somme des inverses des racines des entiers jusqu a n =  186.3959735971275
2*sqrt(n) =  187.85100478836944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.18878524280456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.97072239360187

n =  8823
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somme des inverses des racines des entiers jusqu a n =  186.4066197294647
2*sqrt(n) =  187.86165122238228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.19931833026018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.98142550089332

n =  8824
somme des inverses des racines des entiers jusqu a n =  186.41726525853616
2*sqrt(n) =  187.87229705307806
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.20985082724474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  192.99212799844472

n =  8825
somme des inverses des racines des entiers jusqu a n =  186.4279101844444
2*sqrt(n) =  187.88294228055935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.22038273385786
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.0028298863601

n =  8826
somme des inverses des racines des entiers jusqu a n =  186.43855450729197
2*sqrt(n) =  187.89358690492872
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.23091405019923
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.01353116474345

n =  8827
somme des inverses des racines des entiers jusqu a n =  186.4491982271813
2*sqrt(n) =  187.90423092628862
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.24144477636838
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.02423183369874

n =  8828
somme des inverses des racines des entiers jusqu a n =  186.45984134421488
2*sqrt(n) =  187.91487434474152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.2519749124649
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.03493189332983

n =  8829
somme des inverses des racines des entiers jusqu a n =  186.4704838584951
2*sqrt(n) =  187.92551716038992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.26250445858835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.0456313437407

n =  8830
somme des inverses des racines des entiers jusqu a n =  186.4811257701244
2*sqrt(n) =  187.93615937333612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.27303341483812
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.0563301850351

n =  8831
somme des inverses des racines des entiers jusqu a n =  186.49176707920512
2*sqrt(n) =  187.9468009836826
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.2835617813138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.067028417317

n =  8832
somme des inverses des racines des entiers jusqu a n =  186.5024077858396
2*sqrt(n) =  187.95744199153168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.29408955811482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.07772604069012

n =  8833
somme des inverses des racines des entiers jusqu a n =  186.51304789013017
2*sqrt(n) =  187.9680823969857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.30461674534055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.08842305525826
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n =  8834
somme des inverses des racines des entiers jusqu a n =  186.52368739217908
2*sqrt(n) =  187.9787222001469
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.31514334309043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.09911946112513

n =  8835
somme des inverses des racines des entiers jusqu a n =  186.5343262920886
2*sqrt(n) =  187.98936140111758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.32566935146377
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.10981525839446

n =  8836
somme des inverses des racines des entiers jusqu a n =  186.54496458996093
2*sqrt(n) =  188.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.33619477055998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.12051044717

n =  8837
somme des inverses des racines des entiers jusqu a n =  186.5556022858983
2*sqrt(n) =  188.01063799689632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.3467196004783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.13120502755532

n =  8838
somme des inverses des racines des entiers jusqu a n =  186.56623938000283
2*sqrt(n) =  188.02127539190877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.35724384131808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.1418989996541

n =  8839
somme des inverses des racines des entiers jusqu a n =  186.5768758723767
2*sqrt(n) =  188.03191218513948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.36776749317852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.15259236356994

n =  8840
somme des inverses des racines des entiers jusqu a n =  186.58751176312197
2*sqrt(n) =  188.04254837669055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.37829055615887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.1632851194064

n =  8841
somme des inverses des racines des entiers jusqu a n =  186.59814705234075
2*sqrt(n) =  188.05318396666408
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.38881303035828
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.17397726726696

n =  8842
somme des inverses des racines des entiers jusqu a n =  186.6087817401351
2*sqrt(n) =  188.06381895516213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.39933491587595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.18466880725524

n =  8843
somme des inverses des racines des entiers jusqu a n =  186.61941582660702
2*sqrt(n) =  188.07445334228677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.40985621281104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.19535973947464

n =  8844
somme des inverses des racines des entiers jusqu a n =  186.6300493118585
2*sqrt(n) =  188.08508712813995
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.4203769212626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.2060500640286

n =  8845
somme des inverses des racines des entiers jusqu a n =  186.6406821959915
2*sqrt(n) =  188.09572031282372
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.43089704132984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.21673978102066

n =  8846
somme des inverses des racines des entiers jusqu a n =  186.65131447910795
2*sqrt(n) =  188.10635289643994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.44141657311167
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.22742889055408

n =  8847
somme des inverses des racines des entiers jusqu a n =  186.66194616130977
2*sqrt(n) =  188.1169848790906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.45193551670724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.2381173927323

n =  8848
somme des inverses des racines des entiers jusqu a n =  186.67257724269882
2*sqrt(n) =  188.12761626087755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.46245387221543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.2488052876586

n =  8849
somme des inverses des racines des entiers jusqu a n =  186.68320772337697
2*sqrt(n) =  188.13824704190267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.47297163973533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.25949257543635

n =  8850
somme des inverses des racines des entiers jusqu a n =  186.693837603446
2*sqrt(n) =  188.1488772222678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.48348881936582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.27017925616877

n =  8851
somme des inverses des racines des entiers jusqu a n =  186.70446688300777
2*sqrt(n) =  188.1595068020747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.49400541120582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.28086532995914

n =  8852
somme des inverses des racines des entiers jusqu a n =  186.71509556216398
2*sqrt(n) =  188.17013578142522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.50452141535428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.29155079691068

n =  8853
somme des inverses des racines des entiers jusqu a n =  186.72572364101637
2*sqrt(n) =  188.18076416042103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.51503683190998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.30223565712654

n =  8854
somme des inverses des racines des entiers jusqu a n =  186.73635111966666
2*sqrt(n) =  188.19139193916388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.5255516609718
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.31291991070992

n =  8855
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somme des inverses des racines des entiers jusqu a n =  186.74697799821652
2*sqrt(n) =  188.20201911775547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.53606590263854
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.32360355776393

n =  8856
somme des inverses des racines des entiers jusqu a n =  186.75760427676758
2*sqrt(n) =  188.21264569629747
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.546579557009
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.3342865983917

n =  8857
somme des inverses des racines des entiers jusqu a n =  186.76822995542148
2*sqrt(n) =  188.22327167489146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.55709262418188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.34496903269624

n =  8858
somme des inverses des racines des entiers jusqu a n =  186.7788550342798
2*sqrt(n) =  188.23389705363908
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.56760510425593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.35565086078066

n =  8859
somme des inverses des racines des entiers jusqu a n =  186.78947951344406
2*sqrt(n) =  188.2445218326419
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.5781169973299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.36633208274793

n =  8860
somme des inverses des racines des entiers jusqu a n =  186.80010339301586
2*sqrt(n) =  188.2551460120015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.58862830350236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.37701269870104

n =  8861
somme des inverses des racines des entiers jusqu a n =  186.81072667309667
2*sqrt(n) =  188.26576959181932
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.599139022872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.38769270874297

n =  8862
somme des inverses des racines des entiers jusqu a n =  186.82134935378795
2*sqrt(n) =  188.2763925721969
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.60964915553745
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.3983721129766

n =  8863
somme des inverses des racines des entiers jusqu a n =  186.83197143519115
2*sqrt(n) =  188.28701495323568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.6201587015973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.4090509115049

n =  8864
somme des inverses des racines des entiers jusqu a n =  186.8425929174077
2*sqrt(n) =  188.29763673503712
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.63066766115006
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.41972910443064

n =  8865
somme des inverses des racines des entiers jusqu a n =  186.85321380053898
2*sqrt(n) =  188.30825791770258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.64117603429426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.43040669185672
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n =  8866
somme des inverses des racines des entiers jusqu a n =  186.86383408468637
2*sqrt(n) =  188.31887850133347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.65168382112847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.44108367388597

n =  8867
somme des inverses des racines des entiers jusqu a n =  186.87445376995117
2*sqrt(n) =  188.32949848603113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.6621910217511
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.45176005062112

n =  8868
somme des inverses des racines des entiers jusqu a n =  186.8850728564347
2*sqrt(n) =  188.34011787189687
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.67269763626066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.46243582216496

n =  8869
somme des inverses des racines des entiers jusqu a n =  186.89569134423823
2*sqrt(n) =  188.35073665903195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.6832036647555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.47311098862016

n =  8870
somme des inverses des racines des entiers jusqu a n =  186.90630923346302
2*sqrt(n) =  188.36135484753765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.69370910733403
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.48378555008946

n =  8871
somme des inverses des racines des entiers jusqu a n =  186.91692652421025
2*sqrt(n) =  188.37197243751524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.70421396409466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.49445950667553

n =  8872
somme des inverses des racines des entiers jusqu a n =  186.92754321658114
2*sqrt(n) =  188.38258942906586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.71471823513565
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.50513285848095

n =  8873
somme des inverses des racines des entiers jusqu a n =  186.93815931067684
2*sqrt(n) =  188.39320582229072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.72522192055538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.5158056056084

n =  8874
somme des inverses des racines des entiers jusqu a n =  186.9487748065985
2*sqrt(n) =  188.403821617291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.73572502045215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.5264777481604

n =  8875
somme des inverses des racines des entiers jusqu a n =  186.95938970444718
2*sqrt(n) =  188.41443681416771
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.74622753492412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.53714928623953

n =  8876
somme des inverses des racines des entiers jusqu a n =  186.97000400432398
2*sqrt(n) =  188.42505141302203
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.75672946406956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.54782021994828

n =  8877
somme des inverses des racines des entiers jusqu a n =  186.98061770632995
2*sqrt(n) =  188.435665413955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.7672308079867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.55849054938915

n =  8878
somme des inverses des racines des entiers jusqu a n =  186.9912308105661
2*sqrt(n) =  188.44627881706765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.77773156677367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.56916027466463

n =  8879
somme des inverses des racines des entiers jusqu a n =  187.00184331713342
2*sqrt(n) =  188.45689162246097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.78823174052866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.57982939587714

n =  8880
somme des inverses des racines des entiers jusqu a n =  187.01245522613286
2*sqrt(n) =  188.46750383023596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.79873132934975
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.59049791312907

n =  8881
somme des inverses des racines des entiers jusqu a n =  187.02306653766536
2*sqrt(n) =  188.47811544049353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.80923033333502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.60116582652276

n =  8882
somme des inverses des racines des entiers jusqu a n =  187.03367725183185
2*sqrt(n) =  188.4887264533346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.81972875258256
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.6118331361606

n =  8883
somme des inverses des racines des entiers jusqu a n =  187.04428736873317
2*sqrt(n) =  188.4993368688601
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.8302265871904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.62249984214495

n =  8884
somme des inverses des racines des entiers jusqu a n =  187.05489688847018
2*sqrt(n) =  188.50994668717087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.84072383725655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.63316594457802

n =  8885
somme des inverses des racines des entiers jusqu a n =  187.0655058111437
2*sqrt(n) =  188.52055590836773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.851220502879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.6438314435621

n =  8886
somme des inverses des racines des entiers jusqu a n =  187.07611413685453
2*sqrt(n) =  188.5311645325515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.86171658415563
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.6544963391994

n =  8887
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somme des inverses des racines des entiers jusqu a n =  187.0867218657034
2*sqrt(n) =  188.54177255982293
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.87221208118447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.66516063159216

n =  8888
somme des inverses des racines des entiers jusqu a n =  187.09732899779107
2*sqrt(n) =  188.55237999028282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.88270699406337
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.67582432084254

n =  8889
somme des inverses des racines des entiers jusqu a n =  187.10793553321824
2*sqrt(n) =  188.56298682403184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.89320132289018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.68648740705268

n =  8890
somme des inverses des racines des entiers jusqu a n =  187.11854147208558
2*sqrt(n) =  188.57359306117067
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.90369506776273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.69714989032465

n =  8891
somme des inverses des racines des entiers jusqu a n =  187.12914681449374
2*sqrt(n) =  188.58419870180003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.9141882287789
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.7078117707606

n =  8892
somme des inverses des racines des entiers jusqu a n =  187.13975156054335
2*sqrt(n) =  188.59480374602055
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.92468080603646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.71847304846258

n =  8893
somme des inverses des racines des entiers jusqu a n =  187.15035571033496
2*sqrt(n) =  188.60540819393276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.93517279963314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.72913372353258

n =  8894
somme des inverses des racines des entiers jusqu a n =  187.1609592639692
2*sqrt(n) =  188.61601204563732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.9456642096667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.73979379607263

n =  8895
somme des inverses des racines des entiers jusqu a n =  187.17156222154657
2*sqrt(n) =  188.62661530123472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.9561550362348
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.75045326618468

n =  8896
somme des inverses des racines des entiers jusqu a n =  187.18216458316758
2*sqrt(n) =  188.63721796082552
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.96664527943517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.7611121339707

n =  8897
somme des inverses des racines des entiers jusqu a n =  187.1927663489327
2*sqrt(n) =  188.64782002451022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.97713493936547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.7717703995326
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n =  8898
somme des inverses des racines des entiers jusqu a n =  187.2033675189424
2*sqrt(n) =  188.65842149238927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.98762401612328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.78242806297226

n =  8899
somme des inverses des racines des entiers jusqu a n =  187.21396809329707
2*sqrt(n) =  188.66902236456306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  176.99811250980622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.7930851243915

n =  8900
somme des inverses des racines des entiers jusqu a n =  187.22456807209713
2*sqrt(n) =  188.67962264113208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.00860042051187
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.8037415838922

n =  8901
somme des inverses des racines des entiers jusqu a n =  187.23516745544293
2*sqrt(n) =  188.69022232219666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.01908774833774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.81439744157612

n =  8902
somme des inverses des racines des entiers jusqu a n =  187.24576624343484
2*sqrt(n) =  188.70082140785715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.02957449338135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.82505269754503

n =  8903
somme des inverses des racines des entiers jusqu a n =  187.25636443617316
2*sqrt(n) =  188.7114198982139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.04006065574023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.83570735190074

n =  8904
somme des inverses des racines des entiers jusqu a n =  187.26696203375815
2*sqrt(n) =  188.72201779336717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.0505462355118
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.84636140474487

n =  8905
somme des inverses des racines des entiers jusqu a n =  187.27755903629006
2*sqrt(n) =  188.73261509341728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.0610312327935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.85701485617915

n =  8906
somme des inverses des racines des entiers jusqu a n =  187.28815544386913
2*sqrt(n) =  188.74321179846442
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.07151564768276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.86766770630524

n =  8907
somme des inverses des racines des entiers jusqu a n =  187.29875125659555
2*sqrt(n) =  188.75380790860882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.08199948027695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.87831995522475

n =  8908
somme des inverses des racines des entiers jusqu a n =  187.3093464745695
2*sqrt(n) =  188.76440342395068
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.09248273067342
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.8889716030393

n =  8909
somme des inverses des racines des entiers jusqu a n =  187.31994109789113
2*sqrt(n) =  188.7749983445901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.10296539896947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.89962264985041

n =  8910
somme des inverses des racines des entiers jusqu a n =  187.33053512666052
2*sqrt(n) =  188.78559267062727
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.1134474852624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.9102730957597

n =  8911
somme des inverses des racines des entiers jusqu a n =  187.34112856097778
2*sqrt(n) =  188.79618640216228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.12392898964956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.92092294086862

n =  8912
somme des inverses des racines des entiers jusqu a n =  187.35172140094295
2*sqrt(n) =  188.80677953929515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.13440991222808
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.93157218527867

n =  8913
somme des inverses des racines des entiers jusqu a n =  187.36231364665608
2*sqrt(n) =  188.81737208212596
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.14489025309524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.9422208290913

n =  8914
somme des inverses des racines des entiers jusqu a n =  187.37290529821715
2*sqrt(n) =  188.8279640307547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.15537001234821
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.95286887240795

n =  8915
somme des inverses des racines des entiers jusqu a n =  187.38349635572615
2*sqrt(n) =  188.83855538528144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.1658491900842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.96351631533005

n =  8916
somme des inverses des racines des entiers jusqu a n =  187.39408681928302
2*sqrt(n) =  188.84914614580603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.17632778640026
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.9741631579589

n =  8917
somme des inverses des racines des entiers jusqu a n =  187.40467668898765
2*sqrt(n) =  188.85973631242842
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.18680580139355
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.98480940039585

n =  8918
somme des inverses des racines des entiers jusqu a n =  187.41526596493995
2*sqrt(n) =  188.87032588524858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.19728323516117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  193.9954550427423

n =  8919
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somme des inverses des racines des entiers jusqu a n =  187.4258546472398
2*sqrt(n) =  188.88091486436633
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.20776008780012
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.00610008509943

n =  8920
somme des inverses des racines des entiers jusqu a n =  187.436442735987
2*sqrt(n) =  188.8915032498815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.21823635940746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.01674452756853

n =  8921
somme des inverses des racines des entiers jusqu a n =  187.44703023128133
2*sqrt(n) =  188.90209104189398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.2287120500802
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.02738837025086

n =  8922
somme des inverses des racines des entiers jusqu a n =  187.45761713322264
2*sqrt(n) =  188.91267824050348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.23918715991528
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.03803161324757

n =  8923
somme des inverses des racines des entiers jusqu a n =  187.46820344191062
2*sqrt(n) =  188.92326484580983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.24966168900968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.0486742566599

n =  8924
somme des inverses des racines des entiers jusqu a n =  187.47878915744502
2*sqrt(n) =  188.9338508579127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.26013563746028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.0593163005889

n =  8925
somme des inverses des racines des entiers jusqu a n =  187.48937427992553
2*sqrt(n) =  188.94443627691183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.270609005364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.06995774513575

n =  8926
somme des inverses des racines des entiers jusqu a n =  187.49995880945178
2*sqrt(n) =  188.95502110290693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.2810817928177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.08059859040154

n =  8927
somme des inverses des racines des entiers jusqu a n =  187.51054274612346
2*sqrt(n) =  188.9656053359976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.29155399991825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.09123883648726

n =  8928
somme des inverses des racines des entiers jusqu a n =  187.52112609004016
2*sqrt(n) =  188.97618897628345
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.30202562676237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.101878483494

n =  8929
somme des inverses des racines des entiers jusqu a n =  187.53170884130142
2*sqrt(n) =  188.98677202386415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.31249667344693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.11251753152274
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n =  8930
somme des inverses des racines des entiers jusqu a n =  187.54229100000686
2*sqrt(n) =  188.9973544788392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.32296714006867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.12315598067448

n =  8931
somme des inverses des racines des entiers jusqu a n =  187.55287256625596
2*sqrt(n) =  189.00793634130815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.33343702672428
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.1337938310501

n =  8932
somme des inverses des racines des entiers jusqu a n =  187.56345354014823
2*sqrt(n) =  189.01851761137056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.34390633351052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.14443108275057

n =  8933
somme des inverses des racines des entiers jusqu a n =  187.57403392178313
2*sqrt(n) =  189.02909828912584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.354375060524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.15506773587674

n =  8934
somme des inverses des racines des entiers jusqu a n =  187.58461371126012
2*sqrt(n) =  189.0396783746735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.36484320786144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.16570379052953

n =  8935
somme des inverses des racines des entiers jusqu a n =  187.5951929086786
2*sqrt(n) =  189.05025786811294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.37531077561943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.1763392468097

n =  8936
somme des inverses des racines des entiers jusqu a n =  187.60577151413796
2*sqrt(n) =  189.06083676954358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.38577776389457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.1869741048181

n =  8937
somme des inverses des racines des entiers jusqu a n =  187.61634952773755
2*sqrt(n) =  189.07141507906476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.39624417278338
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.19760836465545

n =  8938
somme des inverses des racines des entiers jusqu a n =  187.6269269495767
2*sqrt(n) =  189.08199279677586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.40671000238248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.20824202642257

n =  8939
somme des inverses des racines des entiers jusqu a n =  187.63750377975472
2*sqrt(n) =  189.0925699227762
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.41717525278835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.2188750902201

n =  8940
somme des inverses des racines des entiers jusqu a n =  187.6480800183709
2*sqrt(n) =  189.10314645716502
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.42763992409746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.2295075561488

n =  8941
somme des inverses des racines des entiers jusqu a n =  187.65865566552446
2*sqrt(n) =  189.1137224000416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.4381040164063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.24013942430926

n =  8942
somme des inverses des racines des entiers jusqu a n =  187.66923072131465
2*sqrt(n) =  189.12429775150522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.4485675298113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.25077069480218

n =  8943
somme des inverses des racines des entiers jusqu a n =  187.67980518584062
2*sqrt(n) =  189.13487251165503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.45903046440887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.26140136772813

n =  8944
somme des inverses des racines des entiers jusqu a n =  187.69037905920158
2*sqrt(n) =  189.14544668059023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.46949282029536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.27203144318767

n =  8945
somme des inverses des racines des entiers jusqu a n =  187.70095234149662
2*sqrt(n) =  189.15602025840997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.47995459756714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.28266092128138

n =  8946
somme des inverses des racines des entiers jusqu a n =  187.71152503282488
2*sqrt(n) =  189.16659324521336
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.49041579632058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.29328980210977

n =  8947
somme des inverses des racines des entiers jusqu a n =  187.72209713328544
2*sqrt(n) =  189.17716564109952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.50087641665192
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.30391808577332

n =  8948
somme des inverses des racines des entiers jusqu a n =  187.73266864297733
2*sqrt(n) =  189.1877374461675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.51133645865747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.3145457723725

n =  8949
somme des inverses des racines des entiers jusqu a n =  187.7432395619996
2*sqrt(n) =  189.19830866051632
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.52179592243345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.32517286200775

n =  8950
somme des inverses des racines des entiers jusqu a n =  187.7538098904512
2*sqrt(n) =  189.208879284245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.53225480807612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.33579935477945

n =  8951
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somme des inverses des racines des entiers jusqu a n =  187.7643796284312
2*sqrt(n) =  189.21944931745256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.54271311568164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.34642525078803

n =  8952
somme des inverses des racines des entiers jusqu a n =  187.77494877603843
2*sqrt(n) =  189.23001876023793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.55317084534616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.3570505501338

n =  8953
somme des inverses des racines des entiers jusqu a n =  187.78551733337187
2*sqrt(n) =  189.24058761270004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.5636279971659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.3676752529171

n =  8954
somme des inverses des racines des entiers jusqu a n =  187.7960853005304
2*sqrt(n) =  189.25115587493778
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.57408457123688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.37829935923824

n =  8955
somme des inverses des racines des entiers jusqu a n =  187.80665267761287
2*sqrt(n) =  189.26172354705005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.58454056765524
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.38892286919744

n =  8956
somme des inverses des racines des entiers jusqu a n =  187.8172194647181
2*sqrt(n) =  189.27229062913568
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.59499598651703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.399545782895

n =  8957
somme des inverses des racines des entiers jusqu a n =  187.82778566194492
2*sqrt(n) =  189.2828571212935
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.6054508279183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.4101681004311

n =  8958
somme des inverses des racines des entiers jusqu a n =  187.8383512693921
2*sqrt(n) =  189.29342302362224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.615905091955
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.42078982190586

n =  8959
somme des inverses des racines des entiers jusqu a n =  187.84891628715837
2*sqrt(n) =  189.30398833622075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.6263587787232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.43141094741955

n =  8960
somme des inverses des racines des entiers jusqu a n =  187.85948071534247
2*sqrt(n) =  189.31455305918772
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.63681188831873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.4420314770722

n =  8961
somme des inverses des racines des entiers jusqu a n =  187.8700445540431
2*sqrt(n) =  189.32511719262186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.64726442083764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.45265141096397
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n =  8962
somme des inverses des racines des entiers jusqu a n =  187.8806078033589
2*sqrt(n) =  189.33568073662187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.6577163763758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.46327074919492

n =  8963
somme des inverses des racines des entiers jusqu a n =  187.89117046338856
2*sqrt(n) =  189.34624369128636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.668167755029
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.47388949186504

n =  8964
somme des inverses des racines des entiers jusqu a n =  187.90173253423063
2*sqrt(n) =  189.356806056714
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.67861855689318
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.4845076390744

n =  8965
somme des inverses des racines des entiers jusqu a n =  187.91229401598372
2*sqrt(n) =  189.36736783300339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.68906878206417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.495125190923

n =  8966
somme des inverses des racines des entiers jusqu a n =  187.9228549087464
2*sqrt(n) =  189.37792902025305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.69951843063768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.50574214751074

n =  8967
somme des inverses des racines des entiers jusqu a n =  187.93341521261718
2*sqrt(n) =  189.38848961856155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.7099675027095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.51635850893757

n =  8968
somme des inverses des racines des entiers jusqu a n =  187.94397492769457
2*sqrt(n) =  189.39904962802743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.72041599837544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.52697427530342

n =  8969
somme des inverses des racines des entiers jusqu a n =  187.95453405407704
2*sqrt(n) =  189.40960904874916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.73086391773117
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.53758944670815

n =  8970
somme des inverses des racines des entiers jusqu a n =  187.96509259186305
2*sqrt(n) =  189.4201678808252
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.74131126087238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.54820402325163

n =  8971
somme des inverses des racines des entiers jusqu a n =  187.975650541151
2*sqrt(n) =  189.43072612435395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.75175802789468
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.5588180050336

n =  8972
somme des inverses des racines des entiers jusqu a n =  187.9862079020393
2*sqrt(n) =  189.4412837794339
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```
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.7622042188938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.56943139215394

n =  8973
somme des inverses des racines des entiers jusqu a n =  187.9967646746263
2*sqrt(n) =  189.45184084616332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.77264983396526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.58004418471234

n =  8974
somme des inverses des racines des entiers jusqu a n =  188.00732085901032
2*sqrt(n) =  189.46239732464065
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.78309487320473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.59065638280862

n =  8975
somme des inverses des racines des entiers jusqu a n =  188.0178764552897
2*sqrt(n) =  189.47295321496418
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.7935393367077
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.6012679865424

n =  8976
somme des inverses des racines des entiers jusqu a n =  188.02843146356273
2*sqrt(n) =  189.48350851723217
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.8039832245697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.6118789960134

n =  8977
somme des inverses des racines des entiers jusqu a n =  188.03898588392764
2*sqrt(n) =  189.49406323154295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.81442653688626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.62248941132128

n =  8978
somme des inverses des racines des entiers jusqu a n =  188.04953971648266
2*sqrt(n) =  189.50461735799473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.82486927375285
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.63309923256566

n =  8979
somme des inverses des racines des entiers jusqu a n =  188.060092961326
2*sqrt(n) =  189.51517089668573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.83531143526494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.64370845984612

n =  8980
somme des inverses des racines des entiers jusqu a n =  188.07064561855583
2*sqrt(n) =  189.52572384771415
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.8457530215179
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.65431709326228

n =  8981
somme des inverses des racines des entiers jusqu a n =  188.0811976882703
2*sqrt(n) =  189.53627621117812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.85619403260716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.6649251329136

n =  8982
somme des inverses des racines des entiers jusqu a n =  188.0917491705675
2*sqrt(n) =  189.54682798717576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.8666344686281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.6755325788996

n =  8983
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somme des inverses des racines des entiers jusqu a n =  188.10230006554556
2*sqrt(n) =  189.55737917580524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.87707432967605
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.68613943131984

n =  8984
somme des inverses des racines des entiers jusqu a n =  188.11285037330254
2*sqrt(n) =  189.56792977716458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.8875136158463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.6967456902737

n =  8985
somme des inverses des racines des entiers jusqu a n =  188.12340009393645
2*sqrt(n) =  189.57847979135184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.89795232723418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.70735135586065

n =  8986
somme des inverses des racines des entiers jusqu a n =  188.13394922754532
2*sqrt(n) =  189.58902921846507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.90839046393498
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.71795642818012

n =  8987
somme des inverses des racines des entiers jusqu a n =  188.14449777422712
2*sqrt(n) =  189.59957805860222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.91882802604385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.7285609073314

n =  8988
somme des inverses des racines des entiers jusqu a n =  188.1550457340798
2*sqrt(n) =  189.6101263118613
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.9292650136561
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.73916479341392

n =  8989
somme des inverses des racines des entiers jusqu a n =  188.16559310720132
2*sqrt(n) =  189.62067397834025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.93970142686686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.74976808652696

n =  8990
somme des inverses des racines des entiers jusqu a n =  188.17613989368954
2*sqrt(n) =  189.63122105813693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.95013726577127
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.76037078676976

n =  8991
somme des inverses des racines des entiers jusqu a n =  188.18668609364235
2*sqrt(n) =  189.6417675513493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.96057253046453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.77097289424168

n =  8992
somme des inverses des racines des entiers jusqu a n =  188.19723170715758
2*sqrt(n) =  189.65231345807516
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.9710072210417
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.7815744090419

n =  8993
somme des inverses des racines des entiers jusqu a n =  188.20777673433307
2*sqrt(n) =  189.66285877841239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.9814413375979
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.79217533126965
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n =  8994
somme des inverses des racines des entiers jusqu a n =  188.2183211752666
2*sqrt(n) =  189.67340351245875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  177.9918748802281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.80277566102407

n =  8995
somme des inverses des racines des entiers jusqu a n =  188.22886503005594
2*sqrt(n) =  189.68394766031204
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.0023078490274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.81337539840436

n =  8996
somme des inverses des racines des entiers jusqu a n =  188.23940829879882
2*sqrt(n) =  189.69449122207
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.01274024409082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.82397454350962

n =  8997
somme des inverses des racines des entiers jusqu a n =  188.24995098159297
2*sqrt(n) =  189.7050341978304
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.02317206551328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.83457309643896

n =  8998
somme des inverses des racines des entiers jusqu a n =  188.26049307853606
2*sqrt(n) =  189.71557658769086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.03360331338976
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.84517105729142

n =  8999
somme des inverses des racines des entiers jusqu a n =  188.27103458972573
2*sqrt(n) =  189.7261183917491
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.04403398781517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.8557684261661

n =  9000
somme des inverses des racines des entiers jusqu a n =  188.28157551525962
2*sqrt(n) =  189.73665961010275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.0544640888844
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.86636520316193

n =  9001
somme des inverses des racines des entiers jusqu a n =  188.29211585523532
2*sqrt(n) =  189.74720024284943
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.06489361669236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.87696138837796

n =  9002
somme des inverses des racines des entiers jusqu a n =  188.30265560975045
2*sqrt(n) =  189.75774029008673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.07532257133386
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.88755698191318

n =  9003
somme des inverses des racines des entiers jusqu a n =  188.3131947789025
2*sqrt(n) =  189.76827975191216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.08575095290368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.8981519838664

n =  9004
somme des inverses des racines des entiers jusqu a n =  188.32373336278903
2*sqrt(n) =  189.77881862842332
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.0961787614967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.90874639433662

n =  9005
somme des inverses des racines des entiers jusqu a n =  188.3342713615075
2*sqrt(n) =  189.7893569197177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.10660599720765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.91934021342271

n =  9006
somme des inverses des racines des entiers jusqu a n =  188.34480877515537
2*sqrt(n) =  189.79989462589276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.11703266013126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.9299334412235

n =  9007
somme des inverses des racines des entiers jusqu a n =  188.35534560383013
2*sqrt(n) =  189.81043174704598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.12745875036225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.94052607783786

n =  9008
somme des inverses des racines des entiers jusqu a n =  188.36588184762917
2*sqrt(n) =  189.82096828327477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.1378842679953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.9511181233645

n =  9009
somme des inverses des racines des entiers jusqu a n =  188.37641750664986
2*sqrt(n) =  189.8315042346765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.14830921312506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.9617095779022

n =  9010
somme des inverses des racines des entiers jusqu a n =  188.38695258098954
2*sqrt(n) =  189.84203960134857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.1587335858462
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.97230044154975

n =  9011
somme des inverses des racines des entiers jusqu a n =  188.3974870707456
2*sqrt(n) =  189.85257438338834
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.16915738625332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.98289071440587

n =  9012
somme des inverses des racines des entiers jusqu a n =  188.40802097601528
2*sqrt(n) =  189.86310858089308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.17958061444097
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  194.99348039656914

n =  9013
somme des inverses des racines des entiers jusqu a n =  188.4185542968959
2*sqrt(n) =  189.87364219396014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.19000327050372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.00406948813833

n =  9014
somme des inverses des racines des entiers jusqu a n =  188.4290870334847
2*sqrt(n) =  189.88417522268674
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.20042535453615
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.01465798921203

n =  9015
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somme des inverses des racines des entiers jusqu a n =  188.43961918587888
2*sqrt(n) =  189.89470766717014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.21084686663272
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.02524589988883

n =  9016
somme des inverses des racines des entiers jusqu a n =  188.45015075417567
2*sqrt(n) =  189.90523952750752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.2212678068879
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.0358332202673

n =  9017
somme des inverses des racines des entiers jusqu a n =  188.4606817384722
2*sqrt(n) =  189.91577080379608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.2316881753962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.04641995044602

n =  9018
somme des inverses des racines des entiers jusqu a n =  188.47121213886564
2*sqrt(n) =  189.92630149613296
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.24210797225194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.0570060905235

n =  9019
somme des inverses des racines des entiers jusqu a n =  188.4817419554531
2*sqrt(n) =  189.93683160461532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.25252719754963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.06759164059818

n =  9020
somme des inverses des racines des entiers jusqu a n =  188.49227118833164
2*sqrt(n) =  189.94736112934027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.2629458513836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.0781766007686

n =  9021
somme des inverses des racines des entiers jusqu a n =  188.5027998375984
2*sqrt(n) =  189.9578900704048
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.27336393384817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.08876097113313

n =  9022
somme des inverses des racines des entiers jusqu a n =  188.51332790335033
2*sqrt(n) =  189.96841842790607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.28378144503773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.09934475179023

n =  9023
somme des inverses des racines des entiers jusqu a n =  188.52385538568447
2*sqrt(n) =  189.97894620194103
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.29419838504654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.10992794283828

n =  9024
somme des inverses des racines des entiers jusqu a n =  188.5343822846978
2*sqrt(n) =  189.98947339260667
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.30461475396882
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.12051054437558

n =  9025
somme des inverses des racines des entiers jusqu a n =  188.54490860048728
2*sqrt(n) =  190.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.31503055189893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.13109255650053
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n =  9026
somme des inverses des racines des entiers jusqu a n =  188.5554343331498
2*sqrt(n) =  190.01052602421794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.325445778931
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.1416739793114

n =  9027
somme des inverses des racines des entiers jusqu a n =  188.56595948278232
2*sqrt(n) =  190.02105146535737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.33586043515922
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.15225481290645

n =  9028
somme des inverses des racines des entiers jusqu a n =  188.57648404948168
2*sqrt(n) =  190.03157632351525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.34627452067784
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.16283505738397

n =  9029
somme des inverses des racines des entiers jusqu a n =  188.58700803334472
2*sqrt(n) =  190.04210059878838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.3566880355809
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.17341471284212

n =  9030
somme des inverses des racines des entiers jusqu a n =  188.59753143446827
2*sqrt(n) =  190.0526242912736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.36710097996257
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.1839937793791

n =  9031
somme des inverses des racines des entiers jusqu a n =  188.6080542529491
2*sqrt(n) =  190.06314740106774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.37751335391695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.19457225709314

n =  9032
somme des inverses des racines des entiers jusqu a n =  188.618576488884
2*sqrt(n) =  190.07366992826755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.38792515753806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2051501460823

n =  9033
somme des inverses des racines des entiers jusqu a n =  188.6290981423697
2*sqrt(n) =  190.0841918729698
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.39833639091995
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2157274464447

n =  9034
somme des inverses des racines des entiers jusqu a n =  188.63961921350295
2*sqrt(n) =  190.09471323527123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.4087470541567
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2263041582785

n =  9035
somme des inverses des racines des entiers jusqu a n =  188.6501397023804
2*sqrt(n) =  190.1052340152685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.4191571473422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.23688028168166

n =  9036
somme des inverses des racines des entiers jusqu a n =  188.66065960909867
2*sqrt(n) =  190.11575421305832
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.42956667057044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.24745581675228

n =  9037
somme des inverses des racines des entiers jusqu a n =  188.67117893375448
2*sqrt(n) =  190.1262738287373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.43997562393537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2580307635883

n =  9038
somme des inverses des racines des entiers jusqu a n =  188.68169767644437
2*sqrt(n) =  190.1367928624021
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.4503840075309
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2686051222877

n =  9039
somme des inverses des racines des entiers jusqu a n =  188.69221583726494
2*sqrt(n) =  190.14731131414928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.46079182145087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.27917889294847

n =  9040
somme des inverses des racines des entiers jusqu a n =  188.70273341631273
2*sqrt(n) =  190.1578291840754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.4711990657892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.2897520756685

n =  9041
somme des inverses des racines des entiers jusqu a n =  188.71325041368428
2*sqrt(n) =  190.16834647227702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.48160574063965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.3003246705457

n =  9042
somme des inverses des racines des entiers jusqu a n =  188.72376682947606
2*sqrt(n) =  190.17886317885066
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.49201184609612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.31089667767793

n =  9043
somme des inverses des racines des entiers jusqu a n =  188.73428266378457
2*sqrt(n) =  190.1893793038928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.5024173822523
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.32146809716303

n =  9044
somme des inverses des racines des entiers jusqu a n =  188.74479791670626
2*sqrt(n) =  190.19989484749985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.512822349202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.3320389290988

n =  9045
somme des inverses des racines des entiers jusqu a n =  188.75531258833755
2*sqrt(n) =  190.2104098097683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.5232267470389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.34260917358299

n =  9046
somme des inverses des racines des entiers jusqu a n =  188.7658266787748
2*sqrt(n) =  190.22092419079453
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.53363057585676
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.35317883071343

n =  9047
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somme des inverses des racines des entiers jusqu a n =  188.7763401881144
2*sqrt(n) =  190.23143799067492
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.5440338357492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.36374790058778

n =  9048
somme des inverses des racines des entiers jusqu a n =  188.78685311645268
2*sqrt(n) =  190.24195120950583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.55443652680987
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.3743163833038

n =  9049
somme des inverses des racines des entiers jusqu a n =  188.79736546388594
2*sqrt(n) =  190.25246384738358
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.56483864913244
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.38488427895913

n =  9050
somme des inverses des racines des entiers jusqu a n =  188.80787723051048
2*sqrt(n) =  190.26297590440447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.5752402028105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.39545158765145

n =  9051
somme des inverses des racines des entiers jusqu a n =  188.81838841642258
2*sqrt(n) =  190.2734873806648
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.58564118793763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.40601830947838

n =  9052
somme des inverses des racines des entiers jusqu a n =  188.82889902171843
2*sqrt(n) =  190.28399827626075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.59604160460734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.41658444453745

n =  9053
somme des inverses des racines des entiers jusqu a n =  188.83940904649427
2*sqrt(n) =  190.29450859128858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.60644145291315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.4271499929263

n =  9054
somme des inverses des racines des entiers jusqu a n =  188.84991849084625
2*sqrt(n) =  190.30501832584446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.61684073294856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.4377149547424

n =  9055
somme des inverses des racines des entiers jusqu a n =  188.86042735487055
2*sqrt(n) =  190.3155274800246
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.6272394448071
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.44827933008335

n =  9056
somme des inverses des racines des entiers jusqu a n =  188.87093563866327
2*sqrt(n) =  190.3260360539251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.63763758858212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.45884311904658

n =  9057
somme des inverses des racines des entiers jusqu a n =  188.88144334232052
2*sqrt(n) =  190.3365440476421
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.64803516436714
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.46940632172956
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n =  9058
somme des inverses des racines des entiers jusqu a n =  188.89195046593838
2*sqrt(n) =  190.34705146127166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.65843217225552
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.47996893822975

n =  9059
somme des inverses des racines des entiers jusqu a n =  188.9024570096129
2*sqrt(n) =  190.35755829490984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.66882861234055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.49053096864446

n =  9060
somme des inverses des racines des entiers jusqu a n =  188.9129629734401
2*sqrt(n) =  190.3680645486527
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.6792244847157
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.5010924130712

n =  9061
somme des inverses des racines des entiers jusqu a n =  188.92346835751596
2*sqrt(n) =  190.3785702225962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.68961978947416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.51165327160723

n =  9062
somme des inverses des racines des entiers jusqu a n =  188.93397316193645
2*sqrt(n) =  190.3890753168364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.7000145267093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.52221354434994

n =  9063
somme des inverses des racines des entiers jusqu a n =  188.9444773867975
2*sqrt(n) =  190.39957983146917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.71040869651438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.53277323139656

n =  9064
somme des inverses des racines des entiers jusqu a n =  188.95498103219504
2*sqrt(n) =  190.41008376659047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.72080229898265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.5433323328444

n =  9065
somme des inverses des racines des entiers jusqu a n =  188.96548409822495
2*sqrt(n) =  190.4205871222962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.73119533420726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.55389084879067

n =  9066
somme des inverses des racines des entiers jusqu a n =  188.9759865849831
2*sqrt(n) =  190.43108989868225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.74158780228146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.56444877933265

n =  9067
somme des inverses des racines des entiers jusqu a n =  188.98648849256531
2*sqrt(n) =  190.44159209584444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.7519797032984
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.57500612456747

n =  9068
somme des inverses des racines des entiers jusqu a n =  188.99698982106742
2*sqrt(n) =  190.4520937138786
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.7623710373512
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.58556288459232

n =  9069
somme des inverses des racines des entiers jusqu a n =  189.00749057058516
2*sqrt(n) =  190.46259475288053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.77276180453296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.5961190595043

n =  9070
somme des inverses des racines des entiers jusqu a n =  189.01799074121433
2*sqrt(n) =  190.47309521294602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.78315200493685
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.60667464940062

n =  9071
somme des inverses des racines des entiers jusqu a n =  189.02849033305063
2*sqrt(n) =  190.48359509417077
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.79354163865582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.61722965437824

n =  9072
somme des inverses des racines des entiers jusqu a n =  189.03898934618977
2*sqrt(n) =  190.49409439665052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.803930705783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.62778407453428

n =  9073
somme des inverses des racines des entiers jusqu a n =  189.04948778072742
2*sqrt(n) =  190.50459312048096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.81431920641134
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.63833790996577

n =  9074
somme des inverses des racines des entiers jusqu a n =  189.05998563675925
2*sqrt(n) =  190.51509126575775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.82470714063385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.6488911607697

n =  9075
somme des inverses des racines des entiers jusqu a n =  189.07048291438088
2*sqrt(n) =  190.5255888325765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.83509450854345
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.65944382704302

n =  9076
somme des inverses des racines des entiers jusqu a n =  189.0809796136879
2*sqrt(n) =  190.53608582103286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.84548131023314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.66999590888273

n =  9077
somme des inverses des racines des entiers jusqu a n =  189.09147573477588
2*sqrt(n) =  190.5465822312224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.85586754579577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.6805474063857

n =  9078
somme des inverses des racines des entiers jusqu a n =  189.10197127774038
2*sqrt(n) =  190.55707806324068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.86625321532426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.6910983196489

n =  9079
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somme des inverses des racines des entiers jusqu a n =  189.11246624267687
2*sqrt(n) =  190.56757331718322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.87663831891146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.7016486487691

n =  9080
somme des inverses des racines des entiers jusqu a n =  189.1229606296809
2*sqrt(n) =  190.57806799314554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.8870228566502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.7121983938432

n =  9081
somme des inverses des racines des entiers jusqu a n =  189.1334544388479
2*sqrt(n) =  190.58856209122308
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.89740682863325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.72274755496798

n =  9082
somme des inverses des racines des entiers jusqu a n =  189.14394767027335
2*sqrt(n) =  190.59905561151135
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.90779023495347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.7332961322403

n =  9083
somme des inverses des racines des entiers jusqu a n =  189.15444032405262
2*sqrt(n) =  190.60954855410574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.91817307570352
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.74384412575685

n =  9084
somme des inverses des racines des entiers jusqu a n =  189.1649324002811
2*sqrt(n) =  190.62004091910168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.92855535097624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.7543915356144

n =  9085
somme des inverses des racines des entiers jusqu a n =  189.17542389905415
2*sqrt(n) =  190.63053270659452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.93893706086425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.76493836190966

n =  9086
somme des inverses des racines des entiers jusqu a n =  189.18591482046713
2*sqrt(n) =  190.6410239166796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.94931820546023
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.77548460473926

n =  9087
somme des inverses des racines des entiers jusqu a n =  189.19640516461533
2*sqrt(n) =  190.65151454945223
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.9596987848569
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.7860302641999

n =  9088
somme des inverses des racines des entiers jusqu a n =  189.20689493159404
2*sqrt(n) =  190.66200460500775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.97007879914682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.79657534038822

n =  9089
somme des inverses des racines des entiers jusqu a n =  189.2173841214985
2*sqrt(n) =  190.67249408344142
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.98045824842265
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.8071198334008
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n =  9090
somme des inverses des racines des entiers jusqu a n =  189.22787273442395
2*sqrt(n) =  190.68298298484845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  178.99083713277693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.8176637433342

n =  9091
somme des inverses des racines des entiers jusqu a n =  189.23836077046562
2*sqrt(n) =  190.69347130932405
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.0012154523022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.82820707028498

n =  9092
somme des inverses des racines des entiers jusqu a n =  189.24884822971865
2*sqrt(n) =  190.70395905696347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.01159320709104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.83874981434968

n =  9093
somme des inverses des racines des entiers jusqu a n =  189.2593351122782
2*sqrt(n) =  190.71444622786183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.02197039723592
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.84929197562477

n =  9094
somme des inverses des racines des entiers jusqu a n =  189.2698214182394
2*sqrt(n) =  190.72493282211425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.0323470228293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.85983355420672

n =  9095
somme des inverses des racines des entiers jusqu a n =  189.28030714769733
2*sqrt(n) =  190.7354188398159
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.0427230839637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.87037455019203

n =  9096
somme des inverses des racines des entiers jusqu a n =  189.29079230074709
2*sqrt(n) =  190.74590428106183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.05309858073144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.88091496367701

n =  9097
somme des inverses des racines des entiers jusqu a n =  189.3012768774837
2*sqrt(n) =  190.75638914594708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.06347351322503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.89145479475812

n =  9098
somme des inverses des racines des entiers jusqu a n =  189.3117608780022
2*sqrt(n) =  190.76687343456672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.07384788153678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.9019940435317

n =  9099
somme des inverses des racines des entiers jusqu a n =  189.32224430239756
2*sqrt(n) =  190.77735714701575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.08422168575908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.9125327100941

n =  9100
somme des inverses des racines des entiers jusqu a n =  189.33272715076478
2*sqrt(n) =  190.78784028338913
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.09459492598418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.9230707945416

n =  9101
somme des inverses des racines des entiers jusqu a n =  189.3432094231988
2*sqrt(n) =  190.79832284378182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.10496760230447
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.9336082969705

n =  9102
somme des inverses des racines des entiers jusqu a n =  189.35369111979452
2*sqrt(n) =  190.80880482828877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1153397148122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.94414521747706

n =  9103
somme des inverses des racines des entiers jusqu a n =  189.3641722406468
2*sqrt(n) =  190.8192862370049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1257112635996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.95468155615754

n =  9104
somme des inverses des racines des entiers jusqu a n =  189.37465278585057
2*sqrt(n) =  190.829767070025
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1360822487589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.96521731310807

n =  9105
somme des inverses des racines des entiers jusqu a n =  189.38513275550062
2*sqrt(n) =  190.84024732744402
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1464526703823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.97575248842486

n =  9106
somme des inverses des racines des entiers jusqu a n =  189.39561214969177
2*sqrt(n) =  190.85072700935672
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.156822528562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.9862870822041

n =  9107
somme des inverses des racines des entiers jusqu a n =  189.4060909685188
2*sqrt(n) =  190.86120611585793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1671918233901
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  195.99682109454184

n =  9108
somme des inverses des racines des entiers jusqu a n =  189.4165692120765
2*sqrt(n) =  190.8716846470424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.17756055495877
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.0073545255342

n =  9109
somme des inverses des racines des entiers jusqu a n =  189.42704688045959
2*sqrt(n) =  190.8821626030049
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.1879287233601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.0178873752773

n =  9110
somme des inverses des racines des entiers jusqu a n =  189.43752397376275
2*sqrt(n) =  190.89263998384013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.19829632868613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.02841964386712

n =  9111
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somme des inverses des racines des entiers jusqu a n =  189.4480004920807
2*sqrt(n) =  190.9031167896428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.20866337102896
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.03895133139974

n =  9112
somme des inverses des racines des entiers jusqu a n =  189.45847643550806
2*sqrt(n) =  190.9135930205076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.21902985048058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.0494824379711

n =  9113
somme des inverses des racines des entiers jusqu a n =  189.4689518041395
2*sqrt(n) =  190.9240686765291
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.22939576713296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.06001296367714

n =  9114
somme des inverses des racines des entiers jusqu a n =  189.47942659806958
2*sqrt(n) =  190.93454375780198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.23976112107815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.07054290861387

n =  9115
somme des inverses des racines des entiers jusqu a n =  189.4899008173929
2*sqrt(n) =  190.9450182644208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.25012591240807
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.08107227287718

n =  9116
somme des inverses des racines des entiers jusqu a n =  189.50037446220404
2*sqrt(n) =  190.95549219648018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.2604901412146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.09160105656295

n =  9117
somme des inverses des racines des entiers jusqu a n =  189.51084753259747
2*sqrt(n) =  190.9659655540746
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.27085380758967
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.10212925976703

n =  9118
somme des inverses des racines des entiers jusqu a n =  189.52132002866773
2*sqrt(n) =  190.97643833729856
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.28121691162517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.11265688258524

n =  9119
somme des inverses des racines des entiers jusqu a n =  189.53179195050927
2*sqrt(n) =  190.9869105462466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.29157945341294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.12318392511344

n =  9120
somme des inverses des racines des entiers jusqu a n =  189.54226329821657
2*sqrt(n) =  190.99738218101317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.3019414330448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.13371038744734

n =  9121
somme des inverses des racines des entiers jusqu a n =  189.55273407188403
2*sqrt(n) =  191.00785324169266
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.3123028506125
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.14423626968272
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n =  9122
somme des inverses des racines des entiers jusqu a n =  189.56320427160605
2*sqrt(n) =  191.01832372837953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.3226637062079
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.15476157191534

n =  9123
somme des inverses des racines des entiers jusqu a n =  189.573673897477
2*sqrt(n) =  191.02879364116814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.33302399992266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.16528629424087

n =  9124
somme des inverses des racines des entiers jusqu a n =  189.5841429495912
2*sqrt(n) =  191.03926298015284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.34338373184858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.17581043675497

n =  9125
somme des inverses des racines des entiers jusqu a n =  189.594611428043
2*sqrt(n) =  191.049731745428
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.35374290207733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.18633399955334

n =  9126
somme des inverses des racines des entiers jusqu a n =  189.6050793329267
2*sqrt(n) =  191.0601999370879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.36410151070055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.19685698273156

n =  9127
somme des inverses des racines des entiers jusqu a n =  189.61554666433653
2*sqrt(n) =  191.0706675552268
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.37445955780993
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.20737938638524

n =  9128
somme des inverses des racines des entiers jusqu a n =  189.62601342236675
2*sqrt(n) =  191.081134599939
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.3848170434971
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.21790121060994

n =  9129
somme des inverses des racines des entiers jusqu a n =  189.6364796071116
2*sqrt(n) =  191.09160107131868
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.3951739678536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.2284224555012

n =  9130
somme des inverses des racines des entiers jusqu a n =  189.64694521866522
2*sqrt(n) =  191.10206696946005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.40553033097103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.23894312115456

n =  9131
somme des inverses des racines des entiers jusqu a n =  189.65741025712182
2*sqrt(n) =  191.11253229445734
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.415886132941
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.2494632076655

n =  9132
somme des inverses des racines des entiers jusqu a n =  189.66787472257553
2*sqrt(n) =  191.12299704640463
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.42624137385496
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.25998271512947

n =  9133
somme des inverses des racines des entiers jusqu a n =  189.67833861512045
2*sqrt(n) =  191.1334612253961
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.43659605380444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.27050164364195

n =  9134
somme des inverses des racines des entiers jusqu a n =  189.68880193485066
2*sqrt(n) =  191.14392483152585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.44695017288092
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.28101999329832

n =  9135
somme des inverses des racines des entiers jusqu a n =  189.69926468186023
2*sqrt(n) =  191.1543878648879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.45730373117578
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.29153776419395

n =  9136
somme des inverses des racines des entiers jusqu a n =  189.7097268562432
2*sqrt(n) =  191.16485032557634
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.46765672878055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.30205495642423

n =  9137
somme des inverses des racines des entiers jusqu a n =  189.7201884580936
2*sqrt(n) =  191.17531221368517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.47800916578655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.3125715700845

n =  9138
somme des inverses des racines des entiers jusqu a n =  189.73064948750536
2*sqrt(n) =  191.1857735293084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.4883610422852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.32308760527

n =  9139
somme des inverses des racines des entiers jusqu a n =  189.74110994457246
2*sqrt(n) =  191.19623427254
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.4987123583678
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.3336030620761

n =  9140
somme des inverses des racines des entiers jusqu a n =  189.75156982938884
2*sqrt(n) =  191.2066944434739
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.50906311412572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.344117940598

n =  9141
somme des inverses des racines des entiers jusqu a n =  189.76202914204842
2*sqrt(n) =  191.21715404220407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.51941330965025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.35463224093098

n =  9142
somme des inverses des racines des entiers jusqu a n =  189.77248788264504
2*sqrt(n) =  191.22761306882435
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.52976294503267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.3651459631702

n =  9143
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somme des inverses des racines des entiers jusqu a n =  189.7829460512726
2*sqrt(n) =  191.23807152342863
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.5401120203642
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.37565910741083

n =  9144
somme des inverses des racines des entiers jusqu a n =  189.7934036480249
2*sqrt(n) =  191.24852940611072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.55046053573608
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.38617167374804

n =  9145
somme des inverses des racines des entiers jusqu a n =  189.80386067299577
2*sqrt(n) =  191.2589867169645
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.56080849123953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.39668366227698

n =  9146
somme des inverses des racines des entiers jusqu a n =  189.81431712627895
2*sqrt(n) =  191.2694434560837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.5711558869657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.4071950730927

n =  9147
somme des inverses des racines des entiers jusqu a n =  189.82477300796822
2*sqrt(n) =  191.27989962356213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.58150272300577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.4177059062903

n =  9148
somme des inverses des racines des entiers jusqu a n =  189.8352283181573
2*sqrt(n) =  191.29035521949348
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.5918489994508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.4282161619648

n =  9149
somme des inverses des racines des entiers jusqu a n =  189.8456830569399
2*sqrt(n) =  191.3008102439715
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.60219471639198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.43872584021128

n =  9150
somme des inverses des racines des entiers jusqu a n =  189.85613722440968
2*sqrt(n) =  191.3112646970899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.61253987392035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.4492349411247

n =  9151
somme des inverses des racines des entiers jusqu a n =  189.8665908206603
2*sqrt(n) =  191.32171857894232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.62288447212694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.4597434648

n =  9152
somme des inverses des racines des entiers jusqu a n =  189.87704384578538
2*sqrt(n) =  191.33217188962237
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.6332285111028
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.47025141133216

n =  9153
somme des inverses des racines des entiers jusqu a n =  189.88749629987853
2*sqrt(n) =  191.34262462922368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.6435719909389
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.48075878081607
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n =  9154
somme des inverses des racines des entiers jusqu a n =  189.89794818303332
2*sqrt(n) =  191.35307679783986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.65391491172628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.49126557334665

n =  9155
somme des inverses des racines des entiers jusqu a n =  189.9083994953433
2*sqrt(n) =  191.36352839556446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.66425727355585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.50177178901876

n =  9156
somme des inverses des racines des entiers jusqu a n =  189.918850236902
2*sqrt(n) =  191.37397942249098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.67459907651852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.5122774279272

n =  9157
somme des inverses des racines des entiers jusqu a n =  189.92930040780286
2*sqrt(n) =  191.38442987871298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.68494032070527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.52278249016683

n =  9158
somme des inverses des racines des entiers jusqu a n =  189.9397500081394
2*sqrt(n) =  191.3948797643239
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.69528100620684
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.5332869758324

n =  9159
somme des inverses des racines des entiers jusqu a n =  189.95019903800508
2*sqrt(n) =  191.4053290794172
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.70562113311422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.5437908850187

n =  9160
somme des inverses des racines des entiers jusqu a n =  189.96064749749328
2*sqrt(n) =  191.41577782408638
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.7159607015182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.55429421782046

n =  9161
somme des inverses des racines des entiers jusqu a n =  189.97109538669744
2*sqrt(n) =  191.42622599842477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.72629971150957
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.56479697433238

n =  9162
somme des inverses des racines des entiers jusqu a n =  189.9815427057109
2*sqrt(n) =  191.43667360252581
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.73663816317912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.57529915464914

n =  9163
somme des inverses des racines des entiers jusqu a n =  189.991989454627
2*sqrt(n) =  191.4471206364828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.7469760566176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.5858007588654

n =  9164
somme des inverses des racines des entiers jusqu a n =  190.00243563353908
2*sqrt(n) =  191.45756710038913
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.75731339191574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.59630178707582

n =  9165
somme des inverses des racines des entiers jusqu a n =  190.0128812425404
2*sqrt(n) =  191.46801299433804
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.76765016916423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.60680223937493

n =  9166
somme des inverses des racines des entiers jusqu a n =  190.02332628172425
2*sqrt(n) =  191.47845831842287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.7779863884538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.6173021158574

n =  9167
somme des inverses des racines des entiers jusqu a n =  190.03377075118388
2*sqrt(n) =  191.48890307273683
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.78832204987506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.62780141661773

n =  9168
somme des inverses des racines des entiers jusqu a n =  190.04421465101248
2*sqrt(n) =  191.4993472573732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.79865715351866
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.63830014175045

n =  9169
somme des inverses des racines des entiers jusqu a n =  190.05465798130328
2*sqrt(n) =  191.5097908724251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.8089916994752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.64879829135003

n =  9170
somme des inverses des racines des entiers jusqu a n =  190.0651007421494
2*sqrt(n) =  191.5202339179858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.8193256878353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.65929586551104

n =  9171
somme des inverses des racines des entiers jusqu a n =  190.07554293364402
2*sqrt(n) =  191.5306763941484
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.82965911868945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.66979286432786

n =  9172
somme des inverses des racines des entiers jusqu a n =  190.08598455588023
2*sqrt(n) =  191.54111830100607
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.83999199212826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.68028928789496

n =  9173
somme des inverses des racines des entiers jusqu a n =  190.09642560895114
2*sqrt(n) =  191.55155963865187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.85032430824222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.6907851363067

n =  9174
somme des inverses des racines des entiers jusqu a n =  190.1068660929498
2*sqrt(n) =  191.56200040717889
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.86065606712177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.70128040965744

n =  9175
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somme des inverses des racines des entiers jusqu a n =  190.11730600796923
2*sqrt(n) =  191.57244060668017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.87098726885742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.71177510804156

n =  9176
somme des inverses des racines des entiers jusqu a n =  190.12774535410247
2*sqrt(n) =  191.58288023724876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.88131791353956
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.72226923155335

n =  9177
somme des inverses des racines des entiers jusqu a n =  190.1381841314425
2*sqrt(n) =  191.59331929897763
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.89164800125863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.73276278028715

n =  9178
somme des inverses des racines des entiers jusqu a n =  190.14862234008228
2*sqrt(n) =  191.60375779195982
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.90197753210504
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.7432557543372

n =  9179
somme des inverses des racines des entiers jusqu a n =  190.15905998011476
2*sqrt(n) =  191.6141957162882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.91230650616913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.75374815379774

n =  9180
somme des inverses des racines des entiers jusqu a n =  190.16949705163285
2*sqrt(n) =  191.62463307205576
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.92263492354124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.76423997876302

n =  9181
somme des inverses des racines des entiers jusqu a n =  190.17993355472942
2*sqrt(n) =  191.63506985935533
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.93296278431163
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.77473122932716

n =  9182
somme des inverses des racines des entiers jusqu a n =  190.19036948949736
2*sqrt(n) =  191.64550607827985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.94329008857068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.78522190558442

n =  9183
somme des inverses des racines des entiers jusqu a n =  190.20080485602946
2*sqrt(n) =  191.65594172892213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.9536168364086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.79571200762888

n =  9184
somme des inverses des racines des entiers jusqu a n =  190.2112396544186
2*sqrt(n) =  191.66637681137502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.96394302791566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.8062015355547

n =  9185
somme des inverses des racines des entiers jusqu a n =  190.2216738847575
2*sqrt(n) =  191.6768113257313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.97426866318207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.8166904894559
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n =  9186
somme des inverses des racines des entiers jusqu a n =  190.23210754713895
2*sqrt(n) =  191.68724527208377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.98459374229805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.82717886942663

n =  9187
somme des inverses des racines des entiers jusqu a n =  190.2425406416557
2*sqrt(n) =  191.69767865052515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  179.99491826535368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.83766667556088

n =  9188
somme des inverses des racines des entiers jusqu a n =  190.25297316840042
2*sqrt(n) =  191.70811146114815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.00524223243917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.84815390795265

n =  9189
somme des inverses des racines des entiers jusqu a n =  190.26340512746583
2*sqrt(n) =  191.7185437040455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.0155656436446
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.85864056669593

n =  9190
somme des inverses des racines des entiers jusqu a n =  190.27383651894456
2*sqrt(n) =  191.72897537930984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.0258884990601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.8691266518847

n =  9191
somme des inverses des racines des entiers jusqu a n =  190.28426734292927
2*sqrt(n) =  191.73940648703385
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.03621079877576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.8796121636129

n =  9192
somme des inverses des racines des entiers jusqu a n =  190.29469759951257
2*sqrt(n) =  191.74983702731015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.04653254288155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.89009710197445

n =  9193
somme des inverses des racines des entiers jusqu a n =  190.30512728878705
2*sqrt(n) =  191.7602670002313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.05685373146756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.90058146706318

n =  9194
somme des inverses des racines des entiers jusqu a n =  190.31555641084523
2*sqrt(n) =  191.7706964058899
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.06717436462372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.911065258973

n =  9195
somme des inverses des racines des entiers jusqu a n =  190.32598496577967
2*sqrt(n) =  191.78112524437853
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.07749444244013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.92154847779773

n =  9196
somme des inverses des racines des entiers jusqu a n =  190.33641295368287
2*sqrt(n) =  191.79155351578964
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.08781396500657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.93203112363116

n =  9197
somme des inverses des racines des entiers jusqu a n =  190.34684037464731
2*sqrt(n) =  191.80198122021577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.09813293241308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.94251319656712

n =  9198
somme des inverses des racines des entiers jusqu a n =  190.35726722876547
2*sqrt(n) =  191.81240835774938
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.1084513447495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.9529946966993

n =  9199
somme des inverses des racines des entiers jusqu a n =  190.36769351612978
2*sqrt(n) =  191.8228349284829
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.11876920210574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.9634756241215

n =  9200
somme des inverses des racines des entiers jusqu a n =  190.37811923683262
2*sqrt(n) =  191.83326093250878
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.12908650457166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.97395597892734

n =  9201
somme des inverses des racines des entiers jusqu a n =  190.38854439096642
2*sqrt(n) =  191.8436863699194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.13940325223703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.98443576121056

n =  9202
somme des inverses des racines des entiers jusqu a n =  190.3989689786235
2*sqrt(n) =  191.85411124080713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.14971944519172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  196.99491497106484

n =  9203
somme des inverses des racines des entiers jusqu a n =  190.40939299989617
2*sqrt(n) =  191.86453554526432
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.16003508352546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.00539360858374

n =  9204
somme des inverses des racines des entiers jusqu a n =  190.4198164548768
2*sqrt(n) =  191.8749592833833
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.17035016732805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.01587167386094

n =  9205
somme des inverses des racines des entiers jusqu a n =  190.43023934365766
2*sqrt(n) =  191.88538245525635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.18066469668918
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.02634916698995

n =  9206
somme des inverses des racines des entiers jusqu a n =  190.44066166633098
2*sqrt(n) =  191.89580506097573
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.19097867169856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.03682608806432

n =  9207
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somme des inverses des racines des entiers jusqu a n =  190.451083422989
2*sqrt(n) =  191.9062271006337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.20129209244587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.04730243717762

n =  9208
somme des inverses des racines des entiers jusqu a n =  190.46150461372392
2*sqrt(n) =  191.9166485743225
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.21160495902078
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.05777821442334

n =  9209
somme des inverses des racines des entiers jusqu a n =  190.47192523862793
2*sqrt(n) =  191.92706948213427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.22191727151292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.06825341989494

n =  9210
somme des inverses des racines des entiers jusqu a n =  190.4823452977932
2*sqrt(n) =  191.93748982416125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.2322290300119
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.07872805368592

n =  9211
somme des inverses des racines des entiers jusqu a n =  190.49276479131183
2*sqrt(n) =  191.9479096004955
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.24254023460728
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.08920211588963

n =  9212
somme des inverses des racines des entiers jusqu a n =  190.50318371927597
2*sqrt(n) =  191.95832881122922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.25285088538865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.0996756065995

n =  9213
somme des inverses des racines des entiers jusqu a n =  190.51360208177766
2*sqrt(n) =  191.96874745645448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.26316098244556
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.11014852590895

n =  9214
somme des inverses des racines des entiers jusqu a n =  190.524019878909
2*sqrt(n) =  191.97916553626334
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.27347052586748
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.12062087391126

n =  9215
somme des inverses des racines des entiers jusqu a n =  190.534437110762
2*sqrt(n) =  191.98958305074783
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.2837795157439
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.13109265069977

n =  9216
somme des inverses des racines des entiers jusqu a n =  190.54485377742867
2*sqrt(n) =  192.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.29408795216432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.14156385636784

n =  9217
somme des inverses des racines des entiers jusqu a n =  190.555269879001
2*sqrt(n) =  192.01041638411183
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.30439583521817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.15203449100866
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n =  9218
somme des inverses des racines des entiers jusqu a n =  190.56568541557093
2*sqrt(n) =  192.0208322031753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.31470316499485
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.16250455471553

n =  9219
somme des inverses des racines des entiers jusqu a n =  190.57610038723038
2*sqrt(n) =  192.03124745728232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.32500994158374
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.17297404758162

n =  9220
somme des inverses des racines des entiers jusqu a n =  190.5865147940713
2*sqrt(n) =  192.04166214652486
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.33531616507423
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.18344296970017

n =  9221
somme des inverses des racines des entiers jusqu a n =  190.59692863618554
2*sqrt(n) =  192.0520762709948
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.34562183555568
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.19391132116436

n =  9222
somme des inverses des racines des entiers jusqu a n =  190.60734191366498
2*sqrt(n) =  192.062489830784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.35592695311735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.20437910206732

n =  9223
somme des inverses des racines des entiers jusqu a n =  190.61775462660145
2*sqrt(n) =  192.07290282598427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.36623151784855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.21484631250212

n =  9224
somme des inverses des racines des entiers jusqu a n =  190.62816677508675
2*sqrt(n) =  192.0833152566875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.37653552983863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.22531295256195

n =  9225
somme des inverses des racines des entiers jusqu a n =  190.63857835921266
2*sqrt(n) =  192.09372712298546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.38683898917674
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.2357790223398

n =  9226
somme des inverses des racines des entiers jusqu a n =  190.64898937907094
2*sqrt(n) =  192.1041384249699
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.39714189595213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.2462445219288

n =  9227
somme des inverses des racines des entiers jusqu a n =  190.65939983475332
2*sqrt(n) =  192.1145491627326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.40744425025406
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.25670945142187

n =  9228
somme des inverses des racines des entiers jusqu a n =  190.6698097263515
2*sqrt(n) =  192.12495933636524
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.4177460521716
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.26717381091206

n =  9229
somme des inverses des racines des entiers jusqu a n =  190.6802190539572
2*sqrt(n) =  192.13536894595956
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.42804730179398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.27763760049234

n =  9230
somme des inverses des racines des entiers jusqu a n =  190.69062781766203
2*sqrt(n) =  192.1457779916072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.4383479992103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.28810082025564

n =  9231
somme des inverses des racines des entiers jusqu a n =  190.70103601755767
2*sqrt(n) =  192.1561864733998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.44864814450966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.29856347029488

n =  9232
somme des inverses des racines des entiers jusqu a n =  190.71144365373573
2*sqrt(n) =  192.16659439142902
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.45894773778113
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.30902555070296

n =  9233
somme des inverses des racines des entiers jusqu a n =  190.72185072628776
2*sqrt(n) =  192.17700174578644
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.46924677911383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.31948706157274

n =  9234
somme des inverses des racines des entiers jusqu a n =  190.73225723530533
2*sqrt(n) =  192.1874085365636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.47954526859667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.32994800299707

n =  9235
somme des inverses des racines des entiers jusqu a n =  190.74266318088
2*sqrt(n) =  192.19781476385208
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.48984320631874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.34040837506873

n =  9236
somme des inverses des racines des entiers jusqu a n =  190.75306856310323
2*sqrt(n) =  192.2082204277434
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.50014059236904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.3508681778806

n =  9237
somme des inverses des racines des entiers jusqu a n =  190.76347338206654
2*sqrt(n) =  192.21862552832906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.51043742683646
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.36132741152537

n =  9238
somme des inverses des racines des entiers jusqu a n =  190.77387763786137
2*sqrt(n) =  192.22903006570053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.52073370980997
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.3717860760958

n =  9239
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somme des inverses des racines des entiers jusqu a n =  190.7842813305792
2*sqrt(n) =  192.23943403994926
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.5310294413785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.38224417168462

n =  9240
somme des inverses des racines des entiers jusqu a n =  190.7946844603114
2*sqrt(n) =  192.24983745116666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.54132462163093
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.3927016983845

n =  9241
somme des inverses des racines des entiers jusqu a n =  190.80508702714937
2*sqrt(n) =  192.26024029944412
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.55161925065607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.40315865628813

n =  9242
somme des inverses des racines des entiers jusqu a n =  190.81548903118448
2*sqrt(n) =  192.27064258487306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.56191332854286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.41361504548817

n =  9243
somme des inverses des racines des entiers jusqu a n =  190.82589047250806
2*sqrt(n) =  192.2810443075448
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.57220685538002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.42407086607716

n =  9244
somme des inverses des racines des entiers jusqu a n =  190.83629135121143
2*sqrt(n) =  192.29144546755063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.58249983125637
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.43452611814777

n =  9245
somme des inverses des racines des entiers jusqu a n =  190.84669166738584
2*sqrt(n) =  192.3018460649819
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.59279225626068
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.4449808017925

n =  9246
somme des inverses des racines des entiers jusqu a n =  190.8570914211226
2*sqrt(n) =  192.3122460999299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.60308413048173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.455434917104

n =  9247
somme des inverses des racines des entiers jusqu a n =  190.8674906125129
2*sqrt(n) =  192.3226455724858
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.61337545400818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.4658884641746

n =  9248
somme des inverses des racines des entiers jusqu a n =  190.877889241648
2*sqrt(n) =  192.33304448274092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.62366622692878
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.476341443097

n =  9249
somme des inverses des racines des entiers jusqu a n =  190.88828730861908
2*sqrt(n) =  192.34344283078642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.63395644933217
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.48679385396355
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n =  9250
somme des inverses des racines des entiers jusqu a n =  190.8986848135173
2*sqrt(n) =  192.35384061671346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.644246121307
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.49724569686668

n =  9251
somme des inverses des racines des entiers jusqu a n =  190.90908175643378
2*sqrt(n) =  192.36423784061319
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.65453524294188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.50769697189884

n =  9252
somme des inverses des racines des entiers jusqu a n =  190.91947813745963
2*sqrt(n) =  192.37463450257678
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.66482381432544
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.51814767915243

n =  9253
somme des inverses des racines des entiers jusqu a n =  190.92987395668598
2*sqrt(n) =  192.38503060269528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.67511183554626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.5285978187198

n =  9254
somme des inverses des racines des entiers jusqu a n =  190.94026921420388
2*sqrt(n) =  192.3954261410598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.68539930669286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.53904739069327

n =  9255
somme des inverses des racines des entiers jusqu a n =  190.95066391010437
2*sqrt(n) =  192.4058211177614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.6956862278538
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.5494963951652

n =  9256
somme des inverses des racines des entiers jusqu a n =  190.96105804447845
2*sqrt(n) =  192.4162155328911
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.7059725991176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.55994483222784

n =  9257
somme des inverses des racines des entiers jusqu a n =  190.97145161741713
2*sqrt(n) =  192.4266093865399
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.7162584205727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.5703927019735

n =  9258
somme des inverses des racines des entiers jusqu a n =  190.98184462901136
2*sqrt(n) =  192.43700267879876
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.72654369230756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.58084000449438

n =  9259
somme des inverses des racines des entiers jusqu a n =  190.9922370793521
2*sqrt(n) =  192.44739540975866
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.7368284144106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.59128673988266

n =  9260
somme des inverses des racines des entiers jusqu a n =  191.00262896853025
2*sqrt(n) =  192.45778757951052
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.7471125869703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.60173290823064

n =  9261
somme des inverses des racines des entiers jusqu a n =  191.0130202966367
2*sqrt(n) =  192.46817918814529
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.75739621007503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.6121785096304

n =  9262
somme des inverses des racines des entiers jusqu a n =  191.02341106376238
2*sqrt(n) =  192.47857023575378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.7676792838131
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.62262354417413

n =  9263
somme des inverses des racines des entiers jusqu a n =  191.03380126999807
2*sqrt(n) =  192.4889607224269
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.77796180827286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.6330680119539

n =  9264
somme des inverses des racines des entiers jusqu a n =  191.0441909154346
2*sqrt(n) =  192.49935064825544
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.78824378354267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.64351191306181

n =  9265
somme des inverses des racines des entiers jusqu a n =  191.0545800001628
2*sqrt(n) =  192.50974001333023
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.79852520971076
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.65395524758995

n =  9266
somme des inverses des racines des entiers jusqu a n =  191.06496852427338
2*sqrt(n) =  192.52012881774206
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.80880608686547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.66439801563035

n =  9267
somme des inverses des racines des entiers jusqu a n =  191.07535648785716
2*sqrt(n) =  192.5305170615817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.819086415095
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.67484021727503

n =  9268
somme des inverses des racines des entiers jusqu a n =  191.08574389100482
2*sqrt(n) =  192.54090474493984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.82936619448756
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.68528185261596

n =  9269
somme des inverses des racines des entiers jusqu a n =  191.09613073380706
2*sqrt(n) =  192.55129186790722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.8396454251314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.69572292174513

n =  9270
somme des inverses des racines des entiers jusqu a n =  191.10651701635456
2*sqrt(n) =  192.56167843057455
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.84992410711465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.7061634247545

n =  9271
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somme des inverses des racines des entiers jusqu a n =  191.11690273873796
2*sqrt(n) =  192.57206443303244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.86020224052547
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.71660336173593

n =  9272
somme des inverses des racines des entiers jusqu a n =  191.1272879010479
2*sqrt(n) =  192.58244987537157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.87047982545198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.72704273278134

n =  9273
somme des inverses des racines des entiers jusqu a n =  191.13767250337497
2*sqrt(n) =  192.5928347576825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.8807568619823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.73748153798263

n =  9274
somme des inverses des racines des entiers jusqu a n =  191.14805654580974
2*sqrt(n) =  192.60321908005588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.89103335020448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.74791977743158

n =  9275
somme des inverses des racines des entiers jusqu a n =  191.15844002844275
2*sqrt(n) =  192.61360284258222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.9013092902066
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.75835745122004

n =  9276
somme des inverses des racines des entiers jusqu a n =  191.16882295136455
2*sqrt(n) =  192.6239860453521
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.9115846820767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.7687945594398

n =  9277
somme des inverses des racines des entiers jusqu a n =  191.17920531466564
2*sqrt(n) =  192.634368688456
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.92185952590273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.77923110218262

n =  9278
somme des inverses des racines des entiers jusqu a n =  191.1895871184365
2*sqrt(n) =  192.64475077198443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.93213382177274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.78966707954027

n =  9279
somme des inverses des racines des entiers jusqu a n =  191.19996836276758
2*sqrt(n) =  192.65513229602786
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.94240756977467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.80010249160443

n =  9280
somme des inverses des racines des entiers jusqu a n =  191.2103490477493
2*sqrt(n) =  192.66551326067673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.9526807699965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.81053733846684

n =  9281
somme des inverses des racines des entiers jusqu a n =  191.22072917347208
2*sqrt(n) =  192.67589366602144
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.96295342252606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.82097162021913
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n =  9282
somme des inverses des racines des entiers jusqu a n =  191.2311087400263
2*sqrt(n) =  192.68627351215238
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.97322552745126
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.83140533695294

n =  9283
somme des inverses des racines des entiers jusqu a n =  191.24148774750228
2*sqrt(n) =  192.69665279915995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.98349708486003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.84183848875992

n =  9284
somme des inverses des racines des entiers jusqu a n =  191.25186619599037
2*sqrt(n) =  192.70703152713446
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  180.99376809484014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.8522710757316

n =  9285
somme des inverses des racines des entiers jusqu a n =  191.2622440855809
2*sqrt(n) =  192.71740969616627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.00403855747948
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.86270309795967

n =  9286
somme des inverses des racines des entiers jusqu a n =  191.27262141636413
2*sqrt(n) =  192.72778730634562
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.01430847286576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.87313455553556

n =  9287
somme des inverses des racines des entiers jusqu a n =  191.28299818843033
2*sqrt(n) =  192.73816435776283
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.02457784108682
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.88356544855083

n =  9288
somme des inverses des racines des entiers jusqu a n =  191.29337440186973
2*sqrt(n) =  192.74854085050814
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.03484666223042
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.893995777097

n =  9289
somme des inverses des racines des entiers jusqu a n =  191.30375005677254
2*sqrt(n) =  192.75891678467173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.0451149363842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.90442554126548

n =  9290
somme des inverses des racines des entiers jusqu a n =  191.31412515322896
2*sqrt(n) =  192.76929216034384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.05538266363595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.91485474114776

n =  9291
somme des inverses des racines des entiers jusqu a n =  191.32449969132915
2*sqrt(n) =  192.77966697761462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.0656498440733
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.92528337683527

n =  9292
somme des inverses des racines des entiers jusqu a n =  191.33487367116322
2*sqrt(n) =  192.79004123657424
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.07591647778395
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.9357114484194

n =  9293
somme des inverses des racines des entiers jusqu a n =  191.34524709282132
2*sqrt(n) =  192.80041493731284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.0861825648555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.9461389559915

n =  9294
somme des inverses des racines des entiers jusqu a n =  191.35561995639353
2*sqrt(n) =  192.81078807992046
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.09644810537554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.95656589964292

n =  9295
somme des inverses des racines des entiers jusqu a n =  191.3659922619699
2*sqrt(n) =  192.82116066448722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.1067130994317
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.966992279465

n =  9296
somme des inverses des racines des entiers jusqu a n =  191.37636400964047
2*sqrt(n) =  192.8315326911032
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.1169775471115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.97741809554904

n =  9297
somme des inverses des racines des entiers jusqu a n =  191.38673519949526
2*sqrt(n) =  192.84190415985836
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.1272414485025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.98784334798628

n =  9298
somme des inverses des racines des entiers jusqu a n =  191.39710583162426
2*sqrt(n) =  192.85227507084275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.13750480369222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  197.998268036868

n =  9299
somme des inverses des racines des entiers jusqu a n =  191.40747590611744
2*sqrt(n) =  192.86264542414636
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.14776761276818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.00869216228546

n =  9300
somme des inverses des racines des entiers jusqu a n =  191.41784542306473
2*sqrt(n) =  192.8730152198591
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.15802987581776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.01911572432977

n =  9301
somme des inverses des racines des entiers jusqu a n =  191.4282143825561
2*sqrt(n) =  192.88338445807094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.16829159292848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.02953872309217

n =  9302
somme des inverses des racines des entiers jusqu a n =  191.4385827846814
2*sqrt(n) =  192.89375313887177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.17855276418774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.0399611586638

n =  9303
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somme des inverses des racines des entiers jusqu a n =  191.4489506295305
2*sqrt(n) =  192.90412126235148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.18881338968293
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.05038303113577

n =  9304
somme des inverses des racines des entiers jusqu a n =  191.45931791719323
2*sqrt(n) =  192.9144888285999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.1990734695014
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.06080434059913

n =  9305
somme des inverses des racines des entiers jusqu a n =  191.46968464775946
2*sqrt(n) =  192.92485583770693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.2093330037306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.0712250871451

n =  9306
somme des inverses des racines des entiers jusqu a n =  191.480050821319
2*sqrt(n) =  192.93522228976232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.21959199245774
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.0816452708646

n =  9307
somme des inverses des racines des entiers jusqu a n =  191.49041643796156
2*sqrt(n) =  192.9455881848559
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.22985043577017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.09206489184874

n =  9308
somme des inverses des racines des entiers jusqu a n =  191.50078149777693
2*sqrt(n) =  192.9559535230774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.24010833375522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.10248395018849

n =  9309
somme des inverses des racines des entiers jusqu a n =  191.51114600085484
2*sqrt(n) =  192.96631830451656
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.2503656865001
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.1129024459748

n =  9310
somme des inverses des racines des entiers jusqu a n =  191.52150994728498
2*sqrt(n) =  192.97668252926312
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.26062249409202
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.12332037929866

n =  9311
somme des inverses des racines des entiers jusqu a n =  191.53187333715704
2*sqrt(n) =  192.98704619740673
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.2708787566182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.133737750251

n =  9312
somme des inverses des racines des entiers jusqu a n =  191.54223617056067
2*sqrt(n) =  192.9974093090371
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.28113447416587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.1441545589227

n =  9313
somme des inverses des racines des entiers jusqu a n =  191.5525984475855
2*sqrt(n) =  193.00777186424386
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.2913896468222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.1545708054047
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n =  9314
somme des inverses des racines des entiers jusqu a n =  191.56296016832113
2*sqrt(n) =  193.0181338631166
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.30164427467426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.16498648978774

n =  9315
somme des inverses des racines des entiers jusqu a n =  191.57332133285712
2*sqrt(n) =  193.02849530574494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.31189835780924
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.17540161216277

n =  9316
somme des inverses des racines des entiers jusqu a n =  191.58368194128306
2*sqrt(n) =  193.03885619221847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.32215189631424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.18581617262058

n =  9317
somme des inverses des racines des entiers jusqu a n =  191.59404199368848
2*sqrt(n) =  193.0492165226267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.33240489027628
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.1962301712519

n =  9318
somme des inverses des racines des entiers jusqu a n =  191.60440149016287
2*sqrt(n) =  193.05957629705915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.34265733978242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.20664360814752

n =  9319
somme des inverses des racines des entiers jusqu a n =  191.61476043079574
2*sqrt(n) =  193.06993551560532
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.35290924491966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.21705648339815

n =  9320
somme des inverses des racines des entiers jusqu a n =  191.62511881567656
2*sqrt(n) =  193.08029417835473
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.3631606057751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.22746879709456

n =  9321
somme des inverses des racines des entiers jusqu a n =  191.63547664489474
2*sqrt(n) =  193.09065228539677
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.37341142243562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.23788054932734

n =  9322
somme des inverses des racines des entiers jusqu a n =  191.6458339185397
2*sqrt(n) =  193.1010098368209
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.38366169498823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.24829174018726

n =  9323
somme des inverses des racines des entiers jusqu a n =  191.65619063670084
2*sqrt(n) =  193.1113668327165
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.3939114235198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.25870236976485

n =  9324
somme des inverses des racines des entiers jusqu a n =  191.66654679946754
2*sqrt(n) =  193.12172327317296
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.4041606081173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.26911243815078

n =  9325
somme des inverses des racines des entiers jusqu a n =  191.67690240692912
2*sqrt(n) =  193.13207915827965
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.41440924886763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.27952194543565

n =  9326
somme des inverses des racines des entiers jusqu a n =  191.6872574591749
2*sqrt(n) =  193.1424344881259
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.42465734585764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.28993089171001

n =  9327
somme des inverses des racines des entiers jusqu a n =  191.69761195629417
2*sqrt(n) =  193.15278926280098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.43490489917411
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.3003392770644

n =  9328
somme des inverses des racines des entiers jusqu a n =  191.7079658983762
2*sqrt(n) =  193.1631434823942
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.4451519089039
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.31074710158933

n =  9329
somme des inverses des racines des entiers jusqu a n =  191.71831928551023
2*sqrt(n) =  193.17349714699478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.45539837513383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.32115436537526

n =  9330
somme des inverses des racines des entiers jusqu a n =  191.72867211778552
2*sqrt(n) =  193.183850256692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.46564429795063
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.3315610685127

n =  9331
somme des inverses des racines des entiers jusqu a n =  191.73902439529124
2*sqrt(n) =  193.19420281157508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.47588967744107
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.34196721109208

n =  9332
somme des inverses des racines des entiers jusqu a n =  191.74937611811654
2*sqrt(n) =  193.20455481173315
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.48613451369184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.3523727932038

n =  9333
somme des inverses des racines des entiers jusqu a n =  191.75972728635062
2*sqrt(n) =  193.21490625725542
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.49637880678966
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.36277781493828

n =  9334
somme des inverses des racines des entiers jusqu a n =  191.77007790008258
2*sqrt(n) =  193.225257148231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.50662255682124
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.37318227638588

n =  9335
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somme des inverses des racines des entiers jusqu a n =  191.78042795940152
2*sqrt(n) =  193.23560748474904
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.51686576387323
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.38358617763694

n =  9336
somme des inverses des racines des entiers jusqu a n =  191.79077746439654
2*sqrt(n) =  193.2459572668986
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.52710842803222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.3939895187818

n =  9337
somme des inverses des racines des entiers jusqu a n =  191.8011264151567
2*sqrt(n) =  193.25630649476875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.53735054938483
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.4043922999107

n =  9338
somme des inverses des racines des entiers jusqu a n =  191.81147481177098
2*sqrt(n) =  193.26665516844855
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.54759212801767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.41479452111398

n =  9339
somme des inverses des racines des entiers jusqu a n =  191.82182265432843
2*sqrt(n) =  193.277003288027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.5578331640173
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.42519618248187

n =  9340
somme des inverses des racines des entiers jusqu a n =  191.83216994291803
2*sqrt(n) =  193.2873508535931
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.56807365747022
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.43559728410455

n =  9341
somme des inverses des racines des entiers jusqu a n =  191.84251667762874
2*sqrt(n) =  193.29769786523585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.578313608463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.44599782607227

n =  9342
somme des inverses des racines des entiers jusqu a n =  191.85286285854949
2*sqrt(n) =  193.30804432304416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.58855301708212
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.45639780847517

n =  9343
somme des inverses des racines des entiers jusqu a n =  191.86320848576918
2*sqrt(n) =  193.31839022710696
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.598791883414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.46679723140343

n =  9344
somme des inverses des racines des entiers jusqu a n =  191.87355355937672
2*sqrt(n) =  193.32873557751316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.60903020754515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.47719609494715

n =  9345
somme des inverses des racines des entiers jusqu a n =  191.88389807946095
2*sqrt(n) =  193.33908037435162
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.61926798956196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.48759439919644
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n =  9346
somme des inverses des racines des entiers jusqu a n =  191.89424204611072
2*sqrt(n) =  193.34942461771124
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.62950522955086
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.4979921442414

n =  9347
somme des inverses des racines des entiers jusqu a n =  191.90458545941488
2*sqrt(n) =  193.3597683076808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.63974192759824
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.5083893301721

n =  9348
somme des inverses des racines des entiers jusqu a n =  191.91492831946218
2*sqrt(n) =  193.37011144434913
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.6499780837904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.5187859570785

n =  9349
somme des inverses des racines des entiers jusqu a n =  191.92527062634142
2*sqrt(n) =  193.380454027805
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.66021369821368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.52918202505066

n =  9350
somme des inverses des racines des entiers jusqu a n =  191.93561238014132
2*sqrt(n) =  193.39079605813717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.67044877095444
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.53957753417853

n =  9351
somme des inverses des racines des entiers jusqu a n =  191.94595358095063
2*sqrt(n) =  193.40113753543437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.68068330209894
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.5499724845521

n =  9352
somme des inverses des racines des entiers jusqu a n =  191.956294228858
2*sqrt(n) =  193.41147845978531
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.69091729173343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.56036687626127

n =  9353
somme des inverses des racines des entiers jusqu a n =  191.96663432395218
2*sqrt(n) =  193.4218188312787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.70115073994415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.57076070939598

n =  9354
somme des inverses des racines des entiers jusqu a n =  191.97697386632174
2*sqrt(n) =  193.43215865000317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.71138364681735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.5811539840461

n =  9355
somme des inverses des racines des entiers jusqu a n =  191.98731285605535
2*sqrt(n) =  193.4424979160474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.7216160124392
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.59154670030148

n =  9356
somme des inverses des racines des entiers jusqu a n =  191.99765129324163
2*sqrt(n) =  193.45283662949996
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.7318478368959
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.601938858252

n =  9357
somme des inverses des racines des entiers jusqu a n =  192.00798917796914
2*sqrt(n) =  193.46317479044947
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.74207912027356
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.6123304579874

n =  9358
somme des inverses des racines des entiers jusqu a n =  192.01832651032643
2*sqrt(n) =  193.47351239898447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.7523098626583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.62272149959753

n =  9359
somme des inverses des racines des entiers jusqu a n =  192.02866329040205
2*sqrt(n) =  193.48384945519354
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.7625400641363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.63311198317217

n =  9360
somme des inverses des racines des entiers jusqu a n =  192.0389995182845
2*sqrt(n) =  193.49418595916518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.77276972479353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.643501908801

n =  9361
somme des inverses des racines des entiers jusqu a n =  192.04933519406225
2*sqrt(n) =  193.5045219109879
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.78299884471616
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.65389127657377

n =  9362
somme des inverses des racines des entiers jusqu a n =  192.0596703178238
2*sqrt(n) =  193.5148573107502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.79322742399017
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.6642800865802

n =  9363
somme des inverses des racines des entiers jusqu a n =  192.07000488965753
2*sqrt(n) =  193.52519215854042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.80345546270155
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.67466833890987

n =  9364
somme des inverses des racines des entiers jusqu a n =  192.08033890965189
2*sqrt(n) =  193.5355264544471
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.81368296093632
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.6850560336525

n =  9365
somme des inverses des racines des entiers jusqu a n =  192.09067237789526
2*sqrt(n) =  193.54586019855861
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.82390991878043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.6954431708977

n =  9366
somme des inverses des racines des entiers jusqu a n =  192.10100529447604
2*sqrt(n) =  193.55619339096333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.83413633631986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.70582975073506

n =  9367
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somme des inverses des racines des entiers jusqu a n =  192.11133765948253
2*sqrt(n) =  193.56652603174962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.8443622136405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.7162157732542

n =  9368
somme des inverses des racines des entiers jusqu a n =  192.12166947300307
2*sqrt(n) =  193.57685812100578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.85458755082823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.72660123854456

n =  9369
somme des inverses des racines des entiers jusqu a n =  192.13200073512596
2*sqrt(n) =  193.58718965882014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.86481234796895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.73698614669573

n =  9370
somme des inverses des racines des entiers jusqu a n =  192.14233144593948
2*sqrt(n) =  193.59752064528098
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.87503660514852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.74737049779722

n =  9371
somme des inverses des racines des entiers jusqu a n =  192.15266160553185
2*sqrt(n) =  193.6078510804766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.88526032245278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.7577542919385

n =  9372
somme des inverses des racines des entiers jusqu a n =  192.16299121399132
2*sqrt(n) =  193.61818096449517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.8954834999675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.768137529209

n =  9373
somme des inverses des racines des entiers jusqu a n =  192.17332027140608
2*sqrt(n) =  193.62851029742495
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.90570613777848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.7785202096982

n =  9374
somme des inverses des racines des entiers jusqu a n =  192.18364877786433
2*sqrt(n) =  193.6388390793541
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.91592823597148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.78890233349543

n =  9375
somme des inverses des racines des entiers jusqu a n =  192.1939767334542
2*sqrt(n) =  193.64916731037084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.92614979463224
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.79928390069014

n =  9376
somme des inverses des racines des entiers jusqu a n =  192.20430413826386
2*sqrt(n) =  193.65949499056327
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.93637081384648
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.80966491137167

n =  9377
somme des inverses des racines des entiers jusqu a n =  192.2146309923814
2*sqrt(n) =  193.66982212001952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.9465912936999
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.8200453656293
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n =  9378
somme des inverses des racines des entiers jusqu a n =  192.22495729589485
2*sqrt(n) =  193.68014869882768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.95681123427815
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.83042526355243

n =  9379
somme des inverses des racines des entiers jusqu a n =  192.23528304889234
2*sqrt(n) =  193.69047472707584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.9670306356669
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.8408046052303

n =  9380
somme des inverses des racines des entiers jusqu a n =  192.2456082514619
2*sqrt(n) =  193.70080020485202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.97724949795176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.85118339075214

n =  9381
somme des inverses des racines des entiers jusqu a n =  192.25593290369153
2*sqrt(n) =  193.71112513224426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.98746782121833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.86156162020723

n =  9382
somme des inverses des racines des entiers jusqu a n =  192.26625700566922
2*sqrt(n) =  193.7214495093406
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  181.9976856055522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.8719392936848

n =  9383
somme des inverses des racines des entiers jusqu a n =  192.27658055748293
2*sqrt(n) =  193.73177333622897
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.00790285103892
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.882316411274

n =  9384
somme des inverses des racines des entiers jusqu a n =  192.28690355922063
2*sqrt(n) =  193.74209661299736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.01811955776404
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.89269297306402

n =  9385
somme des inverses des racines des entiers jusqu a n =  192.2972260109702
2*sqrt(n) =  193.75241933973368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.02833572581306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.90306897914397

n =  9386
somme des inverses des racines des entiers jusqu a n =  192.3075479128196
2*sqrt(n) =  193.76274151652584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.03855135527147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.913444429603

n =  9387
somme des inverses des racines des entiers jusqu a n =  192.31786926485663
2*sqrt(n) =  193.7730631434617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.04876644622473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.9238193245302

n =  9388
somme des inverses des racines des entiers jusqu a n =  192.32819006716917
2*sqrt(n) =  193.7833842206292
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.05898099875827
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.93419366401463

n =  9389
somme des inverses des racines des entiers jusqu a n =  192.33851031984508
2*sqrt(n) =  193.7937047481161
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.06919501295758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.9445674481454

n =  9390
somme des inverses des racines des entiers jusqu a n =  192.34883002297212
2*sqrt(n) =  193.80402472601028
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.07940848890797
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.95494067701142

n =  9391
somme des inverses des racines des entiers jusqu a n =  192.3591491766381
2*sqrt(n) =  193.81434415439946
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.08962142669486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.96531335070176

n =  9392
somme des inverses des racines des entiers jusqu a n =  192.36946778093076
2*sqrt(n) =  193.82466303337148
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.0998338264036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.9756854693054

n =  9393
somme des inverses des racines des entiers jusqu a n =  192.37978583593784
2*sqrt(n) =  193.83498136301404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.11004568811953
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.98605703291128

n =  9394
somme des inverses des racines des entiers jusqu a n =  192.39010334174705
2*sqrt(n) =  193.84529914341488
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.12025701192795
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  198.99642804160834

n =  9395
somme des inverses des racines des entiers jusqu a n =  192.40042029844608
2*sqrt(n) =  193.85561637466168
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.13046779791412
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.00679849548547

n =  9396
somme des inverses des racines des entiers jusqu a n =  192.41073670612258
2*sqrt(n) =  193.86593305684215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.14067804616334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.01716839463154

n =  9397
somme des inverses des racines des entiers jusqu a n =  192.4210525648642
2*sqrt(n) =  193.8762491900439
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.15088775676082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.02753773913543

n =  9398
somme des inverses des racines des entiers jusqu a n =  192.43136787475856
2*sqrt(n) =  193.88656477435458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.16109692979182
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.03790652908594

n =  9399
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somme des inverses des racines des entiers jusqu a n =  192.44168263589324
2*sqrt(n) =  193.89687980986182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.17130556534153
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.04827476457197

n =  9400
somme des inverses des racines des entiers jusqu a n =  192.45199684835583
2*sqrt(n) =  193.90719429665316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.18151366349508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.0586424456822

n =  9401
somme des inverses des racines des entiers jusqu a n =  192.46231051223387
2*sqrt(n) =  193.91750823481618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.19172122433764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.06900957250545

n =  9402
somme des inverses des racines des entiers jusqu a n =  192.47262362761487
2*sqrt(n) =  193.9278216244384
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.20192824795433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.07937614513042

n =  9403
somme des inverses des racines des entiers jusqu a n =  192.48293619458633
2*sqrt(n) =  193.93813446560736
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.2121347344303
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.0897421636459

n =  9404
somme des inverses des racines des entiers jusqu a n =  192.49324821323574
2*sqrt(n) =  193.9484467584105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.22234068385055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.10010762814048

n =  9405
somme des inverses des racines des entiers jusqu a n =  192.50355968365056
2*sqrt(n) =  193.95875850293535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.23254609630024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.1104725387029

n =  9406
somme des inverses des racines des entiers jusqu a n =  192.5138706059182
2*sqrt(n) =  193.9690696992693
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.24275097186433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.1208368954218

n =  9407
somme des inverses des racines des entiers jusqu a n =  192.52418098012612
2*sqrt(n) =  193.9793803474998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.25295531062787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.13120069838578

n =  9408
somme des inverses des racines des entiers jusqu a n =  192.53449080636165
2*sqrt(n) =  193.98969044771425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.26315911267585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.14156394768347

n =  9409
somme des inverses des racines des entiers jusqu a n =  192.54480008471216
2*sqrt(n) =  194.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.27336237809322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.15192664340339
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n =  9410
somme des inverses des racines des entiers jusqu a n =  192.55510881526502
2*sqrt(n) =  194.0103090044444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.28356510696497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.1622887856341

n =  9411
somme des inverses des racines des entiers jusqu a n =  192.56541699810748
2*sqrt(n) =  194.02061746113478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.293767299376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.17265037446415

n =  9412
somme des inverses des racines des entiers jusqu a n =  192.5757246333269
2*sqrt(n) =  194.03092537015846
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.30396895541122
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.18301140998207

n =  9413
somme des inverses des racines des entiers jusqu a n =  192.5860317210105
2*sqrt(n) =  194.0412327316027
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.3141700751555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.1933718922763

n =  9414
somme des inverses des racines des entiers jusqu a n =  192.59633826124556
2*sqrt(n) =  194.05153954555476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.32437065869368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.2037318214353

n =  9415
somme des inverses des racines des entiers jusqu a n =  192.6066442541193
2*sqrt(n) =  194.06184581210186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.3345707061106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.21409119754748

n =  9416
somme des inverses des racines des entiers jusqu a n =  192.61694969971887
2*sqrt(n) =  194.07215153133126
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.34477021749115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.2244500207013

n =  9417
somme des inverses des racines des entiers jusqu a n =  192.6272545981315
2*sqrt(n) =  194.08245670333008
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.35496919292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.23480829098511

n =  9418
somme des inverses des racines des entiers jusqu a n =  192.6375589494443
2*sqrt(n) =  194.09276132818556
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.36516763248207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.2451660084873

n =  9419
somme des inverses des racines des entiers jusqu a n =  192.64786275374445
2*sqrt(n) =  194.10306540598478
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.37536553626197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.25552317329618

n =  9420
somme des inverses des racines des entiers jusqu a n =  192.65816601111902
2*sqrt(n) =  194.11336893681485
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.38556290434445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.26587978550006

n =  9421
somme des inverses des racines des entiers jusqu a n =  192.6684687216551
2*sqrt(n) =  194.12367192076292
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.39575973681426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.27623584518724

n =  9422
somme des inverses des racines des entiers jusqu a n =  192.67877088543975
2*sqrt(n) =  194.13397435791603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.40595603375604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.286591352446

n =  9423
somme des inverses des racines des entiers jusqu a n =  192.68907250256
2*sqrt(n) =  194.14427624836122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.41615179525448
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.2969463073646

n =  9424
somme des inverses des racines des entiers jusqu a n =  192.6993735731029
2*sqrt(n) =  194.15457759218555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.42634702139418
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.30730071003123

n =  9425
somme des inverses des racines des entiers jusqu a n =  192.70967409715539
2*sqrt(n) =  194.164878389476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.43654171225978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.3176545605341

n =  9426
somme des inverses des racines des entiers jusqu a n =  192.71997407480447
2*sqrt(n) =  194.17517864031953
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.44673586793587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.32800785896137

n =  9427
somme des inverses des racines des entiers jusqu a n =  192.73027350613708
2*sqrt(n) =  194.18547834480313
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.45692948850697
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.3383606054012

n =  9428
somme des inverses des racines des entiers jusqu a n =  192.74057239124014
2*sqrt(n) =  194.1957775030137
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.46712257405767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.3487127999417

n =  9429
somme des inverses des racines des entiers jusqu a n =  192.75087073020052
2*sqrt(n) =  194.20607611503817
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.4773151246725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.359064442671

n =  9430
somme des inverses des racines des entiers jusqu a n =  192.76116852310514
2*sqrt(n) =  194.21637418096344
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.48750714043595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.3694155336772

n =  9431
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somme des inverses des racines des entiers jusqu a n =  192.77146577004083
2*sqrt(n) =  194.22667170087635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.49769862143248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.3797660730483

n =  9432
somme des inverses des racines des entiers jusqu a n =  192.78176247109442
2*sqrt(n) =  194.23696867486373
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.50788956774653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.39011606087234

n =  9433
somme des inverses des racines des entiers jusqu a n =  192.7920586263527
2*sqrt(n) =  194.24726510301247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.5180799794626
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.40046549723738

n =  9434
somme des inverses des racines des entiers jusqu a n =  192.8023542359025
2*sqrt(n) =  194.25756098540927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.52826985666508
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.41081438223137

n =  9435
somme des inverses des racines des entiers jusqu a n =  192.81264929983055
2*sqrt(n) =  194.26785632214094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.5384591994383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.42116271594227

n =  9436
somme des inverses des racines des entiers jusqu a n =  192.8229438182236
2*sqrt(n) =  194.27815111329426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.5486480078667
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.43151049845804

n =  9437
somme des inverses des racines des entiers jusqu a n =  192.83323779116833
2*sqrt(n) =  194.28844535895593
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.5588362820346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.4418577298666

n =  9438
somme des inverses des racines des entiers jusqu a n =  192.84353121875145
2*sqrt(n) =  194.29873905921264
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.5690240220263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.4522044102558

n =  9439
somme des inverses des racines des entiers jusqu a n =  192.85382410105964
2*sqrt(n) =  194.30903221415107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.57921122792612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.46255053971353

n =  9440
somme des inverses des racines des entiers jusqu a n =  192.86411643817956
2*sqrt(n) =  194.3193248238579
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.58939789981835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.47289611832767

n =  9441
somme des inverses des racines des entiers jusqu a n =  192.87440823019782
2*sqrt(n) =  194.32961688841976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.59958403778725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.483241146186
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n =  9442
somme des inverses des racines des entiers jusqu a n =  192.884699477201
2*sqrt(n) =  194.33990840792325
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.609769641917
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.49358562337636

n =  9443
somme des inverses des racines des entiers jusqu a n =  192.89499017927568
2*sqrt(n) =  194.35019938245497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.6199547122919
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.5039295499865

n =  9444
somme des inverses des racines des entiers jusqu a n =  192.90528033650844
2*sqrt(n) =  194.36048981210146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.63013924899607
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.51427292610416

n =  9445
somme des inverses des racines des entiers jusqu a n =  192.9155699489858
2*sqrt(n) =  194.3707796969493
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.64032325211372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.52461575181712

n =  9446
somme des inverses des racines des entiers jusqu a n =  192.92585901679422
2*sqrt(n) =  194.38106903708498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.65050672172893
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.534958027213

n =  9447
somme des inverses des racines des entiers jusqu a n =  192.93614754002024
2*sqrt(n) =  194.39135783259502
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.6606896579259
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.54529975237958

n =  9448
somme des inverses des racines des entiers jusqu a n =  192.94643551875032
2*sqrt(n) =  194.40164608356588
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.6708720607887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.55564092740448

n =  9449
somme des inverses des racines des entiers jusqu a n =  192.95672295307088
2*sqrt(n) =  194.411933790084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.68105393040136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.5659815523753

n =  9450
somme des inverses des racines des entiers jusqu a n =  192.96700984306835
2*sqrt(n) =  194.42222095223582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.69123526684803
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.5763216273797

n =  9451
somme des inverses des racines des entiers jusqu a n =  192.97729618882911
2*sqrt(n) =  194.43250757010773
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.70141607021267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.58666115250526

n =  9452
somme des inverses des racines des entiers jusqu a n =  192.98758199043957
2*sqrt(n) =  194.44279364378613
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.71159634057935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.59700012783952

n =  9453
somme des inverses des racines des entiers jusqu a n =  192.99786724798602
2*sqrt(n) =  194.4530791733574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.721776078032
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.60733855347007

n =  9454
somme des inverses des racines des entiers jusqu a n =  193.00815196155483
2*sqrt(n) =  194.46336415890784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.73195528265467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.61767642948442

n =  9455
somme des inverses des racines des entiers jusqu a n =  193.01843613123228
2*sqrt(n) =  194.47364860052377
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.74213395453123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.62801375597004

n =  9456
somme des inverses des racines des entiers jusqu a n =  193.02871975710465
2*sqrt(n) =  194.4839324982915
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.75231209374562
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.63835053301443

n =  9457
somme des inverses des racines des entiers jusqu a n =  193.03900283925822
2*sqrt(n) =  194.49421585229726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.76248970038176
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.648686760705

n =  9458
somme des inverses des racines des entiers jusqu a n =  193.04928537777917
2*sqrt(n) =  194.50449866262733
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.77266677452351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.65902243912925

n =  9459
somme des inverses des racines des entiers jusqu a n =  193.05956737275378
2*sqrt(n) =  194.51478092936793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.78284331625477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.66935756837452

n =  9460
somme des inverses des racines des entiers jusqu a n =  193.06984882426818
2*sqrt(n) =  194.52506265260524
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.79301932565932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.6796921485282

n =  9461
somme des inverses des racines des entiers jusqu a n =  193.08012973240858
2*sqrt(n) =  194.53534383242547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.80319480282103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.6900261796777

n =  9462
somme des inverses des racines des entiers jusqu a n =  193.0904100972611
2*sqrt(n) =  194.54562446891475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.81336974782366
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.70035966191028

n =  9463
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somme des inverses des racines des entiers jusqu a n =  193.10068991891185
2*sqrt(n) =  194.5559045621592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.823544160751
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.71069259531333

n =  9464
somme des inverses des racines des entiers jusqu a n =  193.11096919744693
2*sqrt(n) =  194.56618411224494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.83371804168672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.72102497997406

n =  9465
somme des inverses des racines des entiers jusqu a n =  193.12124793295243
2*sqrt(n) =  194.57646311925808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.84389139071467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.73135681597978

n =  9466
somme des inverses des racines des entiers jusqu a n =  193.1315261255144
2*sqrt(n) =  194.58674158328466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.85406420791847
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.74168810341774

n =  9467
somme des inverses des racines des entiers jusqu a n =  193.14180377521888
2*sqrt(n) =  194.5970195044107
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.8642364933818
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.75201884237515

n =  9468
somme des inverses des racines des entiers jusqu a n =  193.15208088215184
2*sqrt(n) =  194.60729688272227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.8744082471884
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.7623490329392

n =  9469
somme des inverses des racines des entiers jusqu a n =  193.16235744639928
2*sqrt(n) =  194.6175737183053
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.8845794694218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.77267867519703

n =  9470
somme des inverses des racines des entiers jusqu a n =  193.1726334680472
2*sqrt(n) =  194.6278500112458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.8947501601657
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.78300776923587

n =  9471
somme des inverses des racines des entiers jusqu a n =  193.1829089471815
2*sqrt(n) =  194.63812576162977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.90492031950367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.79333631514282

n =  9472
somme des inverses des racines des entiers jusqu a n =  193.19318388388808
2*sqrt(n) =  194.64840096954302
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.91508994751925
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.8036643130049

n =  9473
somme des inverses des racines des entiers jusqu a n =  193.20345827825287
2*sqrt(n) =  194.65867563507155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.925259044296
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.8139917629093
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n =  9474
somme des inverses des racines des entiers jusqu a n =  193.2137321303617
2*sqrt(n) =  194.6689497583012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.93542760991753
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.82431866494306

n =  9475
somme des inverses des racines des entiers jusqu a n =  193.22400544030046
2*sqrt(n) =  194.67922333931784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.94559564446723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.83464501919315

n =  9476
somme des inverses des racines des entiers jusqu a n =  193.23427820815493
2*sqrt(n) =  194.6894963782073
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.95576314802864
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.84497082574666

n =  9477
somme des inverses des racines des entiers jusqu a n =  193.24455043401096
2*sqrt(n) =  194.6997688750554
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.96593012068521
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.8552960846905

n =  9478
somme des inverses des racines des entiers jusqu a n =  193.2548221179543
2*sqrt(n) =  194.71004082994796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.97609656252044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.86562079611173

n =  9479
somme des inverses des racines des entiers jusqu a n =  193.2650932600707
2*sqrt(n) =  194.7203122429707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.98626247361764
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.8759449600972

n =  9480
somme des inverses des racines des entiers jusqu a n =  193.27536386044594
2*sqrt(n) =  194.73058311420937
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  182.9964278540603
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.8862685767339

n =  9481
somme des inverses des racines des entiers jusqu a n =  193.2856339191657
2*sqrt(n) =  194.7408534437497
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.00659270393174
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.89659164610867

n =  9482
somme des inverses des racines des entiers jusqu a n =  193.29590343631565
2*sqrt(n) =  194.7511232316774
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.01675702331536
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.90691416830845

n =  9483
somme des inverses des racines des entiers jusqu a n =  193.3061724119815
2*sqrt(n) =  194.76139247807816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.02692081229443
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.91723614342

n =  9484
somme des inverses des racines des entiers jusqu a n =  193.31644084624884
2*sqrt(n) =  194.77166118303762
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.03708407095232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.92755757153026

n =  9485
somme des inverses des racines des entiers jusqu a n =  193.32670873920333
2*sqrt(n) =  194.7819293466414
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.0472467993723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.93787845272595

n =  9486
somme des inverses des racines des entiers jusqu a n =  193.33697609093056
2*sqrt(n) =  194.79219696897513
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.05740899763762
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.9481987870939

n =  9487
somme des inverses des racines des entiers jusqu a n =  193.3472429015161
2*sqrt(n) =  194.80246405012437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.0675706658315
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.9585185747208

n =  9488
somme des inverses des racines des entiers jusqu a n =  193.3575091710455
2*sqrt(n) =  194.81273059017474
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.07773180403723
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.9688378156935

n =  9489
somme des inverses des racines des entiers jusqu a n =  193.3677748996043
2*sqrt(n) =  194.82299658921173
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.08789241233796
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.9791565100986

n =  9490
somme des inverses des racines des entiers jusqu a n =  193.37804008727804
2*sqrt(n) =  194.83326204732086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.09805249081688
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.98947465802283

n =  9491
somme des inverses des racines des entiers jusqu a n =  193.38830473415217
2*sqrt(n) =  194.84352696458765
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.10821203955717
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  199.9997922595529

n =  9492
somme des inverses des racines des entiers jusqu a n =  193.39856884031215
2*sqrt(n) =  194.8537913410976
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.11837105864197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.01010931477543

n =  9493
somme des inverses des racines des entiers jusqu a n =  193.40883240584344
2*sqrt(n) =  194.86405517693612
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.12852954815432
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.020425823777

n =  9494
somme des inverses des racines des entiers jusqu a n =  193.41909543083145
2*sqrt(n) =  194.87431847218863
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.13868750817738
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.03074178664426

n =  9495
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somme des inverses des racines des entiers jusqu a n =  193.42935791536158
2*sqrt(n) =  194.88458122694058
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.1488449387942
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.04105720346377

n =  9496
somme des inverses des racines des entiers jusqu a n =  193.43961985951918
2*sqrt(n) =  194.89484344127732
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.15900184008783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.05137207432207

n =  9497
somme des inverses des racines des entiers jusqu a n =  193.44988126338964
2*sqrt(n) =  194.90510511528424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.1691582121413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.06168639930573

n =  9498
somme des inverses des racines des entiers jusqu a n =  193.46014212705825
2*sqrt(n) =  194.91536624904666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.1793140550376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.07200017850118

n =  9499
somme des inverses des racines des entiers jusqu a n =  193.47040245061035
2*sqrt(n) =  194.9256268426499
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.18946936885973
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.082313411995

n =  9500
somme des inverses des racines des entiers jusqu a n =  193.48066223413122
2*sqrt(n) =  194.93588689617928
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.19962415369065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.0926260998736

n =  9501
somme des inverses des racines des entiers jusqu a n =  193.49092147770608
2*sqrt(n) =  194.94614640972003
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.20977840961328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.1029382422234

n =  9502
somme des inverses des racines des entiers jusqu a n =  193.5011801814202
2*sqrt(n) =  194.95640538335743
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.21993213671058
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.11324983913087

n =  9503
somme des inverses des racines des entiers jusqu a n =  193.5114383453588
2*sqrt(n) =  194.9666638171767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.2300853350654
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.12356089068237

n =  9504
somme des inverses des racines des entiers jusqu a n =  193.5216959696071
2*sqrt(n) =  194.97692171126306
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.24023800476064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.13387139696428

n =  9505
somme des inverses des racines des entiers jusqu a n =  193.5319530542502
2*sqrt(n) =  194.98717906570164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.25039014587912
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.1441813580629
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n =  9506
somme des inverses des racines des entiers jusqu a n =  193.5422095993733
2*sqrt(n) =  194.99743588057768
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.26054175850373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.15449077406467

n =  9507
somme des inverses des racines des entiers jusqu a n =  193.55246560506154
2*sqrt(n) =  195.00769215597626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.27069284271724
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.16479964505578

n =  9508
somme des inverses des racines des entiers jusqu a n =  193.5627210714
2*sqrt(n) =  195.0179478919825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.2808433986024
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.17510797112251

n =  9509
somme des inverses des racines des entiers jusqu a n =  193.57297599847377
2*sqrt(n) =  195.02820308868152
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.2909934262421
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.18541575235125

n =  9510
somme des inverses des racines des entiers jusqu a n =  193.5832303863679
2*sqrt(n) =  195.03845774615837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.30114292571895
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.1957229888281

n =  9511
somme des inverses des racines des entiers jusqu a n =  193.5934842351674
2*sqrt(n) =  195.0487118644981
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.31129189711572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.2060296806393

n =  9512
somme des inverses des racines des entiers jusqu a n =  193.60373754495734
2*sqrt(n) =  195.05896544378575
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.32144034051515
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.21633582787106

n =  9513
somme des inverses des racines des entiers jusqu a n =  193.6139903158227
2*sqrt(n) =  195.0692184841063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.33158825599986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.22664143060953

n =  9514
somme des inverses des racines des entiers jusqu a n =  193.6242425478484
2*sqrt(n) =  195.07947098554476
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.34173564365253
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.23694648894087

n =  9515
somme des inverses des racines des entiers jusqu a n =  193.63449424111946
2*sqrt(n) =  195.08972294818608
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.35188250355583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.2472510029512

n =  9516
somme des inverses des racines des entiers jusqu a n =  193.64474539572078
2*sqrt(n) =  195.09997437211518
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.36202883579233
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.2575549727266

n =  9517
somme des inverses des racines des entiers jusqu a n =  193.65499601173724
2*sqrt(n) =  195.110225257417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.37217464044465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.26785839835316

n =  9518
somme des inverses des racines des entiers jusqu a n =  193.66524608925374
2*sqrt(n) =  195.12047560417642
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.38231991759537
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.27816127991693

n =  9519
somme des inverses des racines des entiers jusqu a n =  193.67549562835515
2*sqrt(n) =  195.13072541247828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.39246466732698
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.28846361750394

n =  9520
somme des inverses des racines des entiers jusqu a n =  193.68574462912628
2*sqrt(n) =  195.1409746824075
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.40260888972207
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.29876541120018

n =  9521
somme des inverses des racines des entiers jusqu a n =  193.69599309165196
2*sqrt(n) =  195.15122341404884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.41275258486314
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.3090666610917

n =  9522
somme des inverses des racines des entiers jusqu a n =  193.70624101601697
2*sqrt(n) =  195.16147160748713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.42289575283266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.31936736726436

n =  9523
somme des inverses des racines des entiers jusqu a n =  193.7164884023061
2*sqrt(n) =  195.17171926280713
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.43303839371308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.32966752980414

n =  9524
somme des inverses des racines des entiers jusqu a n =  193.7267352506041
2*sqrt(n) =  195.18196638009363
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.44318050758687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.339967148797

n =  9525
somme des inverses des racines des entiers jusqu a n =  193.73698156099567
2*sqrt(n) =  195.19221295943134
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.45332209453645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.35026622432878

n =  9526
somme des inverses des racines des entiers jusqu a n =  193.74722733356552
2*sqrt(n) =  195.202459000905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.46346315464422
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.36056475648542

n =  9527
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somme des inverses des racines des entiers jusqu a n =  193.75747256839833
2*sqrt(n) =  195.2127045045993
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.47360368799252
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.37086274535267

n =  9528
somme des inverses des racines des entiers jusqu a n =  193.76771726557877
2*sqrt(n) =  195.22294947059888
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.48374369466376
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.38116019101645

n =  9529
somme des inverses des racines des entiers jusqu a n =  193.77796142519148
2*sqrt(n) =  195.2331938989884
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.4938831747402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.39145709356248

n =  9530
somme des inverses des racines des entiers jusqu a n =  193.78820504732107
2*sqrt(n) =  195.2434377898525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.50402212830426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.40175345307662

n =  9531
somme des inverses des racines des entiers jusqu a n =  193.79844813205213
2*sqrt(n) =  195.25368114327577
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.51416055543814
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.41204926964457

n =  9532
somme des inverses des racines des entiers jusqu a n =  193.8086906794692
2*sqrt(n) =  195.26392395934278
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.52429845622416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.4223445433521

n =  9533
somme des inverses des racines des entiers jusqu a n =  193.8189326896569
2*sqrt(n) =  195.27416623813812
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.53443583074454
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.4326392742849

n =  9534
somme des inverses des racines des entiers jusqu a n =  193.82917416269967
2*sqrt(n) =  195.2844079797463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.54457267908154
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.44293346252869

n =  9535
somme des inverses des racines des entiers jusqu a n =  193.83941509868205
2*sqrt(n) =  195.29464918425185
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.55470900131735
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.4532271081691

n =  9536
somme des inverses des racines des entiers jusqu a n =  193.84965549768853
2*sqrt(n) =  195.30488985173923
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.5648447975341
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.46352021129178

n =  9537
somme des inverses des racines des entiers jusqu a n =  193.85989535980357
2*sqrt(n) =  195.31512998229297
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.57498006781407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.47381277198244
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n =  9538
somme des inverses des racines des entiers jusqu a n =  193.8701346851116
2*sqrt(n) =  195.32536957599748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.5851148122393
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.48410479032657

n =  9539
somme des inverses des racines des entiers jusqu a n =  193.88037347369703
2*sqrt(n) =  195.33560863293718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.59524903089198
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.49439626640978

n =  9540
somme des inverses des racines des entiers jusqu a n =  193.89061172564428
2*sqrt(n) =  195.34584715319647
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.60538272385415
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.50468720031765

n =  9541
somme des inverses des racines des entiers jusqu a n =  193.90084944103768
2*sqrt(n) =  195.35608513685978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.61551589120793
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.5149775921357

n =  9542
somme des inverses des racines des entiers jusqu a n =  193.9110866199616
2*sqrt(n) =  195.36632258401139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.62564853303533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.5252674419494

n =  9543
somme des inverses des racines des entiers jusqu a n =  193.92132326250035
2*sqrt(n) =  195.37655949473572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.63578064941848
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.53555674984435

n =  9544
somme des inverses des racines des entiers jusqu a n =  193.93155936873825
2*sqrt(n) =  195.386795869117
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.64591224043926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.54584551590588

n =  9545
somme des inverses des racines des entiers jusqu a n =  193.94179493875959
2*sqrt(n) =  195.39703170723962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.65604330617978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.55613374021954

n =  9546
somme des inverses des racines des entiers jusqu a n =  193.9520299726486
2*sqrt(n) =  195.40726700918776
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.66617384672193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.5664214228707

n =  9547
somme des inverses des racines des entiers jusqu a n =  193.96226447048954
2*sqrt(n) =  195.41750177504574
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.6763038621477
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.57670856394475

n =  9548
somme des inverses des racines des entiers jusqu a n =  193.97249843236662
2*sqrt(n) =  195.42773600489772
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.686433352539
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.5869951635271

n =  9549
somme des inverses des racines des entiers jusqu a n =  193.98273185836405
2*sqrt(n) =  195.43796969882797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.69656231797777
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.59728122170307

n =  9550
somme des inverses des racines des entiers jusqu a n =  193.99296474856598
2*sqrt(n) =  195.44820285692063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.70669075854585
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.607566738558

n =  9551
somme des inverses des racines des entiers jusqu a n =  194.00319710305658
2*sqrt(n) =  195.4584354792599
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.71681867432517
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.61785171417725

n =  9552
somme des inverses des racines des entiers jusqu a n =  194.01342892191997
2*sqrt(n) =  195.46866756592985
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.72694606539747
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.62813614864604

n =  9553
somme des inverses des racines des entiers jusqu a n =  194.02366020524025
2*sqrt(n) =  195.47889911701466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.73707293184466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.63842004204966

n =  9554
somme des inverses des racines des entiers jusqu a n =  194.0338909531015
2*sqrt(n) =  195.48913013259843
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.74719927374852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.6487033944734

n =  9555
somme des inverses des racines des entiers jusqu a n =  194.04412116558777
2*sqrt(n) =  195.49936061276517
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.7573250911908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.65898620600237

n =  9556
somme des inverses des racines des entiers jusqu a n =  194.05435084278312
2*sqrt(n) =  195.50959055759898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.7674503842533
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.66926847672184

n =  9557
somme des inverses des racines des entiers jusqu a n =  194.06457998477157
2*sqrt(n) =  195.51981996718388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.7775751530177
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.67955020671695

n =  9558
somme des inverses des racines des entiers jusqu a n =  194.0748085916371
2*sqrt(n) =  195.53004884160387
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.78769939756577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.68983139607292

n =  9559
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somme des inverses des racines des entiers jusqu a n =  194.08503666346368
2*sqrt(n) =  195.54027718094295
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.7978231179792
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.70011204487483

n =  9560
somme des inverses des racines des entiers jusqu a n =  194.0952642003353
2*sqrt(n) =  195.55050498528507
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.80794631433963
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.7103921532078

n =  9561
somme des inverses des racines des entiers jusqu a n =  194.10549120233586
2*sqrt(n) =  195.56073225471417
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.81806898672872
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.7206717211569

n =  9562
somme des inverses des racines des entiers jusqu a n =  194.11571766954927
2*sqrt(n) =  195.57095898931416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.8281911352281
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.73095074880717

n =  9563
somme des inverses des racines des entiers jusqu a n =  194.1259436020594
2*sqrt(n) =  195.58118518916896
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.83831275991943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.74122923624373

n =  9564
somme des inverses des racines des entiers jusqu a n =  194.13616899995017
2*sqrt(n) =  195.5914108543624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.8484338608842
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.75150718355152

n =  9565
somme des inverses des racines des entiers jusqu a n =  194.14639386330538
2*sqrt(n) =  195.6016359849784
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.85855443820407
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.76178459081558

n =  9566
somme des inverses des racines des entiers jusqu a n =  194.15661819220884
2*sqrt(n) =  195.61186058110076
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.86867449196052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.77206145812087

n =  9567
somme des inverses des racines des entiers jusqu a n =  194.16684198674437
2*sqrt(n) =  195.62208464281326
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.8787940222351
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.78233778555233

n =  9568
somme des inverses des racines des entiers jusqu a n =  194.17706524699574
2*sqrt(n) =  195.63230817019974
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.88891302910932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.79261357319493

n =  9569
somme des inverses des racines des entiers jusqu a n =  194.1872879730467
2*sqrt(n) =  195.64253116334393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.89903151266466
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.80288882113356
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n =  9570
somme des inverses des racines des entiers jusqu a n =  194.197510164981
2*sqrt(n) =  195.65275362232958
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.9091494729826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.81316352945308

n =  9571
somme des inverses des racines des entiers jusqu a n =  194.20773182288232
2*sqrt(n) =  195.66297554724042
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.91926691014453
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.82343769823837

n =  9572
somme des inverses des racines des entiers jusqu a n =  194.21795294683437
2*sqrt(n) =  195.67319693816015
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.92938382423188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.83371132757426

n =  9573
somme des inverses des racines des entiers jusqu a n =  194.22817353692082
2*sqrt(n) =  195.6834177951724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.93950021532606
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.84398441754558

n =  9574
somme des inverses des racines des entiers jusqu a n =  194.2383935932253
2*sqrt(n) =  195.69363811836092
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.9496160835085
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.85425696823714

n =  9575
somme des inverses des racines des entiers jusqu a n =  194.24861311583146
2*sqrt(n) =  195.70385790780927
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.95973142886044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.86452897973368

n =  9576
somme des inverses des racines des entiers jusqu a n =  194.2588321048229
2*sqrt(n) =  195.71407716360108
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.96984625146328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.87480045211998

n =  9577
somme des inverses des racines des entiers jusqu a n =  194.26905056028315
2*sqrt(n) =  195.72429588581997
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.97996055139836
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.88507138548079

n =  9578
somme des inverses des racines des entiers jusqu a n =  194.2792684822958
2*sqrt(n) =  195.73451407454945
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  183.9900743287469
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.89534177990072

n =  9579
somme des inverses des racines des entiers jusqu a n =  194.28948587094442
2*sqrt(n) =  195.74473172987314
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.00018758359025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.90561163546457

n =  9580
somme des inverses des racines des entiers jusqu a n =  194.29970272631246
2*sqrt(n) =  195.7549488518745
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.0103003160096
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.91588095225694

n =  9581
somme des inverses des racines des entiers jusqu a n =  194.30991904848347
2*sqrt(n) =  195.76516544063708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.0204125260862
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.9261497303625

n =  9582
somme des inverses des racines des entiers jusqu a n =  194.32013483754088
2*sqrt(n) =  195.7753814962443
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.03052421390123
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.93641796986583

n =  9583
somme des inverses des racines des entiers jusqu a n =  194.33035009356814
2*sqrt(n) =  195.7855970187797
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.04063537953593
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.94668567085156

n =  9584
somme des inverses des racines des entiers jusqu a n =  194.3405648166487
2*sqrt(n) =  195.79581200832666
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.05074602307144
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.95695283340427

n =  9585
somme des inverses des racines des entiers jusqu a n =  194.35077900686596
2*sqrt(n) =  195.80602646496865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.0608561445889
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.9672194576085

n =  9586
somme des inverses des racines des entiers jusqu a n =  194.3609926643033
2*sqrt(n) =  195.816240388789
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.07096574416943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.9774855435488

n =  9587
somme des inverses des racines des entiers jusqu a n =  194.3712057890441
2*sqrt(n) =  195.82645377987112
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.08107482189413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.9877510913096

n =  9588
somme des inverses des racines des entiers jusqu a n =  194.38141838117167
2*sqrt(n) =  195.83666663829837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.0911833778441
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  200.9980161009755

n =  9589
somme des inverses des racines des entiers jusqu a n =  194.39163044076935
2*sqrt(n) =  195.84687896415403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.10129141210035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.00828057263087

n =  9590
somme des inverses des racines des entiers jusqu a n =  194.4018419679204
2*sqrt(n) =  195.85709075752146
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.11139892474398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0185445063602

n =  9591
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somme des inverses des racines des entiers jusqu a n =  194.41205296270815
2*sqrt(n) =  195.86730201848394
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.121505915856
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0288079022479

n =  9592
somme des inverses des racines des entiers jusqu a n =  194.42226342521582
2*sqrt(n) =  195.8775127471247
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.13161238551737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0390707603784

n =  9593
somme des inverses des racines des entiers jusqu a n =  194.43247335552664
2*sqrt(n) =  195.88772294352702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.14171833380908
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.049333080836

n =  9594
somme des inverses des racines des entiers jusqu a n =  194.44268275372383
2*sqrt(n) =  195.8979326077741
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.15182376081208
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0595948637051

n =  9595
somme des inverses des racines des entiers jusqu a n =  194.45289161989058
2*sqrt(n) =  195.90814173994914
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.16192866660734
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.06985610907003

n =  9596
somme des inverses des racines des entiers jusqu a n =  194.46309995411005
2*sqrt(n) =  195.9183503401353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.17203305127572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0801168170151

n =  9597
somme des inverses des racines des entiers jusqu a n =  194.4733077564654
2*sqrt(n) =  195.9285584084158
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.18213691489817
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.0903769876246

n =  9598
somme des inverses des racines des entiers jusqu a n =  194.48351502703974
2*sqrt(n) =  195.9387659448737
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.1922402575555
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.10063662098278

n =  9599
somme des inverses des racines des entiers jusqu a n =  194.49372176591618
2*sqrt(n) =  195.94897294959216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.2023430793286
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.11089571717392

n =  9600
somme des inverses des racines des entiers jusqu a n =  194.50392797317778
2*sqrt(n) =  195.95917942265424
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.21244538029833
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.1211542762822

n =  9601
somme des inverses des racines des entiers jusqu a n =  194.5141336489076
2*sqrt(n) =  195.96938536414305
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.22254716054545
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.13141229839187
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n =  9602
somme des inverses des racines des entiers jusqu a n =  194.5243387931887
2*sqrt(n) =  195.97959077414157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.2326484201507
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.14166978358702

n =  9603
somme des inverses des racines des entiers jusqu a n =  194.53454340610406
2*sqrt(n) =  195.9897956527329
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.24274915919494
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.1519267319519

n =  9604
somme des inverses des racines des entiers jusqu a n =  194.54474748773671
2*sqrt(n) =  196.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.25284937775885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.16218314357056

n =  9605
somme des inverses des racines des entiers jusqu a n =  194.5549510381696
2*sqrt(n) =  196.01020381602586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.26294907592322
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.1724390185272

n =  9606
somme des inverses des racines des entiers jusqu a n =  194.5651540574857
2*sqrt(n) =  196.02040710089346
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.2730482537687
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.18269435690584

n =  9607
somme des inverses des racines des entiers jusqu a n =  194.57535654576793
2*sqrt(n) =  196.0306098546857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.28314691137598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.19294915879058

n =  9608
somme des inverses des racines des entiers jusqu a n =  194.58555850309918
2*sqrt(n) =  196.04081207748553
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.29324504882572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.20320342426544

n =  9609
somme des inverses des racines des entiers jusqu a n =  194.59575992956235
2*sqrt(n) =  196.05101376937586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.3033426661986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.21345715341448

n =  9610
somme des inverses des racines des entiers jusqu a n =  194.60596082524032
2*sqrt(n) =  196.06121493043952
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.3134397635752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.2237103463217

n =  9611
somme des inverses des racines des entiers jusqu a n =  194.6161611902159
2*sqrt(n) =  196.0714155607594
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.32353634103612
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.23396300307104

n =  9612
somme des inverses des racines des entiers jusqu a n =  194.62636102457193
2*sqrt(n) =  196.0816156604183
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.33363239866193
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.24421512374647

n =  9613
somme des inverses des racines des entiers jusqu a n =  194.63656032839123
2*sqrt(n) =  196.09181522949905
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.34372793653324
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.25446670843195

n =  9614
somme des inverses des racines des entiers jusqu a n =  194.64675910175654
2*sqrt(n) =  196.10201426808445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.35382295473053
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.2647177572114

n =  9615
somme des inverses des racines des entiers jusqu a n =  194.65695734475062
2*sqrt(n) =  196.11221277625725
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.36391745333438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.2749682701687

n =  9616
somme des inverses des racines des entiers jusqu a n =  194.66715505745623
2*sqrt(n) =  196.1224107541002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.37401143242522
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.2852182473877

n =  9617
somme des inverses des racines des entiers jusqu a n =  194.67735223995606
2*sqrt(n) =  196.13260820169603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.38410489208354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.29546768895227

n =  9618
somme des inverses des racines des entiers jusqu a n =  194.6875488923328
2*sqrt(n) =  196.14280511912742
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.3941978323898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.3057165949462

n =  9619
somme des inverses des racines des entiers jusqu a n =  194.69774501466915
2*sqrt(n) =  196.15300150647707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.40429025342445
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.31596496545336

n =  9620
somme des inverses des racines des entiers jusqu a n =  194.70794060704773
2*sqrt(n) =  196.16319736382766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.4143821552679
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.32621280055753

n =  9621
somme des inverses des racines des entiers jusqu a n =  194.71813566955117
2*sqrt(n) =  196.17339269126177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.4244735380005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.3364601003424

n =  9622
somme des inverses des racines des entiers jusqu a n =  194.7283302022621
2*sqrt(n) =  196.1835874888621
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.4345644017027
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.3467068648918

n =  9623
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somme des inverses des racines des entiers jusqu a n =  194.73852420526308
2*sqrt(n) =  196.19378175671113
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.44465474645475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.35695309428934

n =  9624
somme des inverses des racines des entiers jusqu a n =  194.74871767863667
2*sqrt(n) =  196.20397549489155
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.45474457233703
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.3671987886188

n =  9625
somme des inverses des racines des entiers jusqu a n =  194.7589106224654
2*sqrt(n) =  196.21416870348583
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.46483387942985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.37744394796383

n =  9626
somme des inverses des racines des entiers jusqu a n =  194.76910303683184
2*sqrt(n) =  196.22436138257655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.4749226678135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.38768857240808

n =  9627
somme des inverses des racines des entiers jusqu a n =  194.77929492181846
2*sqrt(n) =  196.2345535322462
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.48501093756823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.39793266203517

n =  9628
somme des inverses des racines des entiers jusqu a n =  194.78948627750773
2*sqrt(n) =  196.24474515257728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.49509868877433
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.40817621692875

n =  9629
somme des inverses des racines des entiers jusqu a n =  194.7996771039821
2*sqrt(n) =  196.25493624365222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.50518592151195
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.41841923717237

n =  9630
somme des inverses des racines des entiers jusqu a n =  194.80986740132403
2*sqrt(n) =  196.2651268055535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.51527263586135
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.4286617228496

n =  9631
somme des inverses des racines des entiers jusqu a n =  194.82005716961592
2*sqrt(n) =  196.27531683836355
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.52535883190268
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.43890367404398

n =  9632
somme des inverses des racines des entiers jusqu a n =  194.83024640894016
2*sqrt(n) =  196.28550634216475
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.53544450971614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.44914509083904

n =  9633
somme des inverses des racines des entiers jusqu a n =  194.84043511937912
2*sqrt(n) =  196.2956953170395
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.5455296693819
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.45938597331832
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n =  9634
somme des inverses des racines des entiers jusqu a n =  194.85062330101516
2*sqrt(n) =  196.30588376307014
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.55561431098
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.46962632156522

n =  9635
somme des inverses des racines des entiers jusqu a n =  194.86081095393058
2*sqrt(n) =  196.316071680339
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.56569843459056
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.47986613566323

n =  9636
somme des inverses des racines des entiers jusqu a n =  194.87099807820772
2*sqrt(n) =  196.32625906892844
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.5757820402937
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.4901054156958

n =  9637
somme des inverses des racines des entiers jusqu a n =  194.88118467392883
2*sqrt(n) =  196.33644592892068
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.5858651281694
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.5003441617463

n =  9638
somme des inverses des racines des entiers jusqu a n =  194.89137074117622
2*sqrt(n) =  196.34663226039808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.5959476982978
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.51058237389822

n =  9639
somme des inverses des racines des entiers jusqu a n =  194.90155628003208
2*sqrt(n) =  196.35681806344286
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.6060297507589
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.52082005223482

n =  9640
somme des inverses des racines des entiers jusqu a n =  194.91174129057868
2*sqrt(n) =  196.36700333813724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.61611128563266
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.53105719683953

n =  9641
somme des inverses des racines des entiers jusqu a n =  194.92192577289816
2*sqrt(n) =  196.37718808456341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.62619230299904
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.5412938077956

n =  9642
somme des inverses des racines des entiers jusqu a n =  194.93210972707274
2*sqrt(n) =  196.3873723028036
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.63627280293804
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.5515298851864

n =  9643
somme des inverses des racines des entiers jusqu a n =  194.94229315318458
2*sqrt(n) =  196.39755599294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.64635278552961
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.56176542909517

n =  9644
somme des inverses des racines des entiers jusqu a n =  194.9524760513158
2*sqrt(n) =  196.40773915505468
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.65643225085364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.5720004396052

n =  9645
somme des inverses des racines des entiers jusqu a n =  194.96265842154853
2*sqrt(n) =  196.4179217892298
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.66651119898998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.5822349167997

n =  9646
somme des inverses des racines des entiers jusqu a n =  194.97284026396483
2*sqrt(n) =  196.42810389554748
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.67658963001855
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.59246886076193

n =  9647
somme des inverses des racines des entiers jusqu a n =  194.9830215786468
2*sqrt(n) =  196.4382854740898
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.68666754401926
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.60270227157508

n =  9648
somme des inverses des racines des entiers jusqu a n =  194.9932023656765
2*sqrt(n) =  196.4484665249388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.69674494107184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.61293514932228

n =  9649
somme des inverses des racines des entiers jusqu a n =  195.00338262513594
2*sqrt(n) =  196.45864704817652
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.70682182125614
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.62316749408672

n =  9650
somme des inverses des racines des entiers jusqu a n =  195.01356235710713
2*sqrt(n) =  196.468827043885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.71689818465197
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.6333993059515

n =  9651
somme des inverses des racines des entiers jusqu a n =  195.02374156167207
2*sqrt(n) =  196.47900651214624
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.72697403133913
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.6436305849998

n =  9652
somme des inverses des racines des entiers jusqu a n =  195.03392023891269
2*sqrt(n) =  196.48918545304218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.73704936139725
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.65386133131463

n =  9653
somme des inverses des racines des entiers jusqu a n =  195.04409838891095
2*sqrt(n) =  196.4993638666548
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.7471241749062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.6640915449791

n =  9654
somme des inverses des racines des entiers jusqu a n =  195.05427601174878
2*sqrt(n) =  196.50954175306603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.7571984719456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.67432122607624

n =  9655
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somme des inverses des racines des entiers jusqu a n =  195.0644531075081
2*sqrt(n) =  196.5197191123578
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.76727225259518
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.68455037468908

n =  9656
somme des inverses des racines des entiers jusqu a n =  195.07462967627075
2*sqrt(n) =  196.52989594461195
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.7773455169346
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.69477899090063

n =  9657
somme des inverses des racines des entiers jusqu a n =  195.08480571811862
2*sqrt(n) =  196.5400722499104
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.78741826504347
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.70500707479385

n =  9658
somme des inverses des racines des entiers jusqu a n =  195.09498123313355
2*sqrt(n) =  196.55024802833498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.7974904970015
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.71523462645172

n =  9659
somme des inverses des racines des entiers jusqu a n =  195.10515622139735
2*sqrt(n) =  196.56042327996752
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.80756221288823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.72546164595715

n =  9660
somme des inverses des racines des entiers jusqu a n =  195.1153306829918
2*sqrt(n) =  196.57059800488983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.81763341278327
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.7356881333931

n =  9661
somme des inverses des racines des entiers jusqu a n =  195.1255046179987
2*sqrt(n) =  196.5807722031837
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.82770409676618
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.74591408884245

n =  9662
somme des inverses des racines des entiers jusqu a n =  195.1356780264998
2*sqrt(n) =  196.59094587493087
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.83777426491653
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.75613951238805

n =  9663
somme des inverses des racines des entiers jusqu a n =  195.1458509085768
2*sqrt(n) =  196.6011190202131
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.8478439173138
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.76636440411275

n =  9664
somme des inverses des racines des entiers jusqu a n =  195.15602326431144
2*sqrt(n) =  196.61129163911212
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.85791305403754
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.77658876409942

n =  9665
somme des inverses des racines des entiers jusqu a n =  195.1661950937854
2*sqrt(n) =  196.6214637317096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.8679816751672
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.78681259243083
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n =  9666
somme des inverses des racines des entiers jusqu a n =  195.17636639708036
2*sqrt(n) =  196.63163529808728
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.87804978078225
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.79703588918977

n =  9667
somme des inverses des racines des entiers jusqu a n =  195.18653717427796
2*sqrt(n) =  196.64180633832675
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.88811737096214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.80725865445905

n =  9668
somme des inverses des racines des entiers jusqu a n =  195.19670742545983
2*sqrt(n) =  196.65197685250968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.8981844457863
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.81748088832137

n =  9669
somme des inverses des racines des entiers jusqu a n =  195.20687715070758
2*sqrt(n) =  196.66214684071767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.90825100533414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.82770259085945

n =  9670
somme des inverses des racines des entiers jusqu a n =  195.21704635010278
2*sqrt(n) =  196.67231630303235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.91831704968502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.837923762156

n =  9671
somme des inverses des racines des entiers jusqu a n =  195.22721502372698
2*sqrt(n) =  196.68248523953525
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.9283825789183
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.84814440229374

n =  9672
somme des inverses des racines des entiers jusqu a n =  195.23738317166175
2*sqrt(n) =  196.69265365030796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.93844759311332
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.85836451135526

n =  9673
somme des inverses des racines des entiers jusqu a n =  195.2475507939886
2*sqrt(n) =  196.70282153543198
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.94851209234943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.86858408942325

n =  9674
somme des inverses des racines des entiers jusqu a n =  195.25771789078905
2*sqrt(n) =  196.71298889498883
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.9585760767059
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.87880313658027

n =  9675
somme des inverses des racines des entiers jusqu a n =  195.26788446214456
2*sqrt(n) =  196.72315572906
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.96863954626204
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.889021652909

n =  9676
somme des inverses des racines des entiers jusqu a n =  195.2780505081366
2*sqrt(n) =  196.733322037727
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.97870250109708
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.89923963849193

n =  9677
somme des inverses des racines des entiers jusqu a n =  195.2882160288466
2*sqrt(n) =  196.74348782107123
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.9887649412903
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.9094570934117

n =  9678
somme des inverses des racines des entiers jusqu a n =  195.29838102435596
2*sqrt(n) =  196.75365307917411
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  184.99882686692087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.91967401775074

n =  9679
somme des inverses des racines des entiers jusqu a n =  195.30854549474608
2*sqrt(n) =  196.76381781211708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.00888827806799
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.92989041159163

n =  9680
somme des inverses des racines des entiers jusqu a n =  195.31870944009836
2*sqrt(n) =  196.7739820199815
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.01894917481087
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.9401062750168

n =  9681
somme des inverses des racines des entiers jusqu a n =  195.32887286049413
2*sqrt(n) =  196.78414570284875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.02900955722868
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.95032160810877

n =  9682
somme des inverses des racines des entiers jusqu a n =  195.33903575601474
2*sqrt(n) =  196.79430886080013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.0390694254005
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.96053641094994

n =  9683
somme des inverses des racines des entiers jusqu a n =  195.34919812674147
2*sqrt(n) =  196.80447149391702
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.0491287794055
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.97075068362278

n =  9684
somme des inverses des racines des entiers jusqu a n =  195.35935997275564
2*sqrt(n) =  196.8146336022807
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.05918761932276
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.98096442620968

n =  9685
somme des inverses des racines des entiers jusqu a n =  195.3695212941385
2*sqrt(n) =  196.82479518597245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.06924594523136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  201.991177638793

n =  9686
somme des inverses des racines des entiers jusqu a n =  195.3796820909713
2*sqrt(n) =  196.8349562450735
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.07930375721034
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0013903214551

n =  9687
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somme des inverses des racines des entiers jusqu a n =  195.38984236333528
2*sqrt(n) =  196.84511677966512
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.08936105533874
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0116024742783

n =  9688
somme des inverses des racines des entiers jusqu a n =  195.40000211131164
2*sqrt(n) =  196.8552767898285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.09941783969558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.02181409734496

n =  9689
somme des inverses des racines des entiers jusqu a n =  195.41016133498155
2*sqrt(n) =  196.8654362756449
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.10947411035988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0320251907374

n =  9690
somme des inverses des racines des entiers jusqu a n =  195.4203200344262
2*sqrt(n) =  196.8755952371954
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.1195298674106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.04223575453778

n =  9691
somme des inverses des racines des entiers jusqu a n =  195.43047820972672
2*sqrt(n) =  196.88575367456122
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.12958511092666
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0524457888285

n =  9692
somme des inverses des racines des entiers jusqu a n =  195.44063586096422
2*sqrt(n) =  196.8959115878235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.1396398409871
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0626552936917

n =  9693
somme des inverses des racines des entiers jusqu a n =  195.45079298821983
2*sqrt(n) =  196.90606897706328
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.14969405767067
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0728642692096

n =  9694
somme des inverses des racines des entiers jusqu a n =  195.4609495915746
2*sqrt(n) =  196.9162258423617
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.1597477610564
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.08307271546437

n =  9695
somme des inverses des racines des entiers jusqu a n =  195.4711056711096
2*sqrt(n) =  196.92638218379983
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.1698009512231
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.0932806325382

n =  9696
somme des inverses des racines des entiers jusqu a n =  195.48126122690587
2*sqrt(n) =  196.93653800145873
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.17985362824965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.10348802051328

n =  9697
somme des inverses des racines des entiers jusqu a n =  195.49141625904443
2*sqrt(n) =  196.9466932954194
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.18990579221486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.11369487947167
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n =  9698
somme des inverses des racines des entiers jusqu a n =  195.5015707676063
2*sqrt(n) =  196.95684806576287
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.19995744319758
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.1239012094955

n =  9699
somme des inverses des racines des entiers jusqu a n =  195.51172475267242
2*sqrt(n) =  196.96700231257012
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.21000858127658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.1341070106669

n =  9700
somme des inverses des racines des entiers jusqu a n =  195.52187821432375
2*sqrt(n) =  196.9771560359221
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.22005920653064
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.14431228306782

n =  9701
somme des inverses des racines des entiers jusqu a n =  195.53203115264122
2*sqrt(n) =  196.98730923589977
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.2301093190385
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.1545170267804

n =  9702
somme des inverses des racines des entiers jusqu a n =  195.54218356770576
2*sqrt(n) =  196.99746191258404
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.24015891887888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.1647212418866

n =  9703
somme des inverses des racines des entiers jusqu a n =  195.55233545959828
2*sqrt(n) =  197.00761406605582
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.25020800613052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.17492492846847

n =  9704
somme des inverses des racines des entiers jusqu a n =  195.5624868283996
2*sqrt(n) =  197.01776569639603
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.26025658087215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.18512808660796

n =  9705
somme des inverses des racines des entiers jusqu a n =  195.57263767419064
2*sqrt(n) =  197.02791680368546
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.27030464318236
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.19533071638702

n =  9706
somme des inverses des racines des entiers jusqu a n =  195.58278799705218
2*sqrt(n) =  197.038067388005
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.28035219313983
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.2055328178876

n =  9707
somme des inverses des racines des entiers jusqu a n =  195.59293779706502
2*sqrt(n) =  197.04821744943547
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.29039923082325
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.21573439119157

n =  9708
somme des inverses des racines des entiers jusqu a n =  195.60308707430997
2*sqrt(n) =  197.05836698805763
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.30044575631115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.22593543638087

n =  9709
somme des inverses des racines des entiers jusqu a n =  195.6132358288678
2*sqrt(n) =  197.06851600395228
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.31049176968213
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.23613595353734

n =  9710
somme des inverses des racines des entiers jusqu a n =  195.62338406081926
2*sqrt(n) =  197.0786644972002
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.32053727101484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.2463359427429

n =  9711
somme des inverses des racines des entiers jusqu a n =  195.63353177024507
2*sqrt(n) =  197.0888124678821
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.33058226038776
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.25653540407927

n =  9712
somme des inverses des racines des entiers jusqu a n =  195.64367895722592
2*sqrt(n) =  197.0989599160787
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.34062673787943
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.26673433762835

n =  9713
somme des inverses des racines des entiers jusqu a n =  195.65382562184251
2*sqrt(n) =  197.1091068418707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.35067070356837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.27693274347186

n =  9714
somme des inverses des racines des entiers jusqu a n =  195.6639717641755
2*sqrt(n) =  197.11925324533877
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.3607141575331
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.2871306216916

n =  9715
somme des inverses des racines des entiers jusqu a n =  195.67411738430553
2*sqrt(n) =  197.12939912656356
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.37075709985203
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.29732797236932

n =  9716
somme des inverses des racines des entiers jusqu a n =  195.68426248231324
2*sqrt(n) =  197.13954448562572
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.38079953060367
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.30752479558674

n =  9717
somme des inverses des racines des entiers jusqu a n =  195.6944070582792
2*sqrt(n) =  197.14968932260584
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.3908414498664
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.31772109142554

n =  9718
somme des inverses des racines des entiers jusqu a n =  195.70455111228404
2*sqrt(n) =  197.1598336375845
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.40088285771867
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.32791685996744

n =  9719
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somme des inverses des racines des entiers jusqu a n =  195.71469464440827
2*sqrt(n) =  197.16997743064232
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.41092375423887
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.33811210129406

n =  9720
somme des inverses des racines des entiers jusqu a n =  195.72483765473243
2*sqrt(n) =  197.1801207018598
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.42096413950532
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.34830681548704

n =  9721
somme des inverses des racines des entiers jusqu a n =  195.73498014333705
2*sqrt(n) =  197.1902634513175
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.43100401359644
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.35850100262803

n =  9722
somme des inverses des racines des entiers jusqu a n =  195.74512211030265
2*sqrt(n) =  197.2004056790959
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.4410433765905
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.3686946627986

n =  9723
somme des inverses des racines des entiers jusqu a n =  195.7552635557097
2*sqrt(n) =  197.2105473852755
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.45108222856584
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.37888779608033

n =  9724
somme des inverses des racines des entiers jusqu a n =  195.76540447963862
2*sqrt(n) =  197.2206885699368
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.4611205696008
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.3890804025548

n =  9725
somme des inverses des racines des entiers jusqu a n =  195.7755448821699
2*sqrt(n) =  197.2308292331602
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.47115839977354
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.3992724823035

n =  9726
somme des inverses des racines des entiers jusqu a n =  195.7856847633839
2*sqrt(n) =  197.24096937502614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.4811957191624
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.409464035408

n =  9727
somme des inverses des racines des entiers jusqu a n =  195.79582412336106
2*sqrt(n) =  197.25110899561503
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.4912325278456
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.41965506194975

n =  9728
somme des inverses des racines des entiers jusqu a n =  195.80596296218172
2*sqrt(n) =  197.26124809500723
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.5012688259013
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.4298455620102

n =  9729
somme des inverses des racines des entiers jusqu a n =  195.81610127992627
2*sqrt(n) =  197.27138667328316
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.51130461340773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.44003553567086
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n =  9730
somme des inverses des racines des entiers jusqu a n =  195.82623907667502
2*sqrt(n) =  197.2815247305231
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.52133989044304
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.45022498301313

n =  9731
somme des inverses des racines des entiers jusqu a n =  195.83637635250827
2*sqrt(n) =  197.2916622668074
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.53137465708542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.4604139041184

n =  9732
somme des inverses des racines des entiers jusqu a n =  195.84651310750633
2*sqrt(n) =  197.3017992822164
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.541408913413
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.4706022990681

n =  9733
somme des inverses des racines des entiers jusqu a n =  195.85664934174946
2*sqrt(n) =  197.3119357768303
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.5514426595038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.48079016794352

n =  9734
somme des inverses des racines des entiers jusqu a n =  195.8667850553179
2*sqrt(n) =  197.3220717507294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.56147589543602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.4909775108261

n =  9735
somme des inverses des racines des entiers jusqu a n =  195.87692024829192
2*sqrt(n) =  197.33220720399393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.57150862128765
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.50116432779708

n =  9736
somme des inverses des racines des entiers jusqu a n =  195.8870549207517
2*sqrt(n) =  197.34234213670416
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.5815408371368
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.51135061893783

n =  9737
somme des inverses des racines des entiers jusqu a n =  195.89718907277742
2*sqrt(n) =  197.35247654894022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.59157254306146
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.52153638432958

n =  9738
somme des inverses des racines des entiers jusqu a n =  195.90732270444926
2*sqrt(n) =  197.36261044078233
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.6016037391397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.53172162405366

n =  9739
somme des inverses des racines des entiers jusqu a n =  195.91745581584738
2*sqrt(n) =  197.37274381231063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.61163442544944
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.54190633819124

n =  9740
somme des inverses des racines des entiers jusqu a n =  195.92758840705187
2*sqrt(n) =  197.38287666360523
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.62166460206865
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.55209052682352

n =  9741
somme des inverses des racines des entiers jusqu a n =  195.93772047814286
2*sqrt(n) =  197.3930089947463
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.63169426907535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.5622741900318

n =  9742
somme des inverses des racines des entiers jusqu a n =  195.94785202920045
2*sqrt(n) =  197.40314080581393
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.64172342654746
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.57245732789718

n =  9743
somme des inverses des racines des entiers jusqu a n =  195.95798306030468
2*sqrt(n) =  197.41327209688816
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.65175207456284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.58263994050083

n =  9744
somme des inverses des racines des entiers jusqu a n =  195.9681135715356
2*sqrt(n) =  197.42340286804907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.6617802131994
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.5928220279239

n =  9745
somme des inverses des racines des entiers jusqu a n =  195.97824356297323
2*sqrt(n) =  197.43353311937665
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.671807842535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.60300359024748

n =  9746
somme des inverses des racines des entiers jusqu a n =  195.9883730346976
2*sqrt(n) =  197.44366285095097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.6818349626475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.6131846275527

n =  9747
somme des inverses des racines des entiers jusqu a n =  195.99850198678863
2*sqrt(n) =  197.45379206285202
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.6918615736148
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.62336513992062

n =  9748
somme des inverses des racines des entiers jusqu a n =  196.00863041932632
2*sqrt(n) =  197.46392075515973
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.70188767551463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.63354512743228

n =  9749
somme des inverses des racines des entiers jusqu a n =  196.01875833239063
2*sqrt(n) =  197.47404892795407
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.7119132684248
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.64372459016872

n =  9750
somme des inverses des racines des entiers jusqu a n =  196.02888572606147
2*sqrt(n) =  197.48417658131498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.72193835242308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.65390352821092

n =  9751
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somme des inverses des racines des entiers jusqu a n =  196.03901260041874
2*sqrt(n) =  197.4943037153224
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.73196292758726
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.66408194163995

n =  9752
somme des inverses des racines des entiers jusqu a n =  196.0491389555423
2*sqrt(n) =  197.50443033005615
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.74198699399506
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.6742598305367

n =  9753
somme des inverses des racines des entiers jusqu a n =  196.05926479151205
2*sqrt(n) =  197.51455642559614
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.75201055172414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.68443719498214

n =  9754
somme des inverses des racines des entiers jusqu a n =  196.0693901084078
2*sqrt(n) =  197.52468200202222
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.76203360085222
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.6946140350572

n =  9755
somme des inverses des racines des entiers jusqu a n =  196.07951490630936
2*sqrt(n) =  197.53480705941422
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.772056141457
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.7047903508428

n =  9756
somme des inverses des racines des entiers jusqu a n =  196.08963918529653
2*sqrt(n) =  197.54493159785193
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.78207817361613
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.71496614241983

n =  9757
somme des inverses des racines des entiers jusqu a n =  196.0997629454491
2*sqrt(n) =  197.55505561741518
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.79209969740722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.72514140986914

n =  9758
somme des inverses des racines des entiers jusqu a n =  196.10988618684684
2*sqrt(n) =  197.56517911818366
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.80212071290788
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.73531615327155

n =  9759
somme des inverses des racines des entiers jusqu a n =  196.12000890956946
2*sqrt(n) =  197.57530210023722
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.81214122019577
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.74549037270796

n =  9760
somme des inverses des racines des entiers jusqu a n =  196.1301311136967
2*sqrt(n) =  197.5854245636555
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.82216121934835
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.75566406825905

n =  9761
somme des inverses des racines des entiers jusqu a n =  196.14025279930826
2*sqrt(n) =  197.59554650851825
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.83218071044328
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.76583724000574
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n =  9762
somme des inverses des racines des entiers jusqu a n =  196.15037396648378
2*sqrt(n) =  197.60566793490514
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.84219969355806
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.77600988802868

n =  9763
somme des inverses des racines des entiers jusqu a n =  196.16049461530295
2*sqrt(n) =  197.61578884289585
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.85221816877018
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.7861820124087

n =  9764
somme des inverses des racines des entiers jusqu a n =  196.17061474584537
2*sqrt(n) =  197.62590923257
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.86223613615715
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.79635361322642

n =  9765
somme des inverses des racines des entiers jusqu a n =  196.18073435819068
2*sqrt(n) =  197.63602910400724
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.87225359579645
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.8065246905626

n =  9766
somme des inverses des racines des entiers jusqu a n =  196.19085345241848
2*sqrt(n) =  197.64614845728718
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.8822705477656
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.816695244498

n =  9767
somme des inverses des racines des entiers jusqu a n =  196.20097202860833
2*sqrt(n) =  197.65626729248936
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.8922869921419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.8268652751131

n =  9768
somme des inverses des racines des entiers jusqu a n =  196.2110900868398
2*sqrt(n) =  197.66638560969338
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.90230292900284
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.83703478248864

n =  9769
somme des inverses des racines des entiers jusqu a n =  196.22120762719237
2*sqrt(n) =  197.6765034089788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.91231835842586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.84720376670526

n =  9770
somme des inverses des racines des entiers jusqu a n =  196.23132464974563
2*sqrt(n) =  197.6866206904251
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.92233328048826
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.85737222784348

n =  9771
somme des inverses des racines des entiers jusqu a n =  196.241441154579
2*sqrt(n) =  197.69673745411177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.93234769526742
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.86754016598394

n =  9772
somme des inverses des racines des entiers jusqu a n =  196.25155714177203
2*sqrt(n) =  197.70685370011836
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.94236160284072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.87770758120718

n =  9773
somme des inverses des racines des entiers jusqu a n =  196.2616726114041
2*sqrt(n) =  197.71696942852427
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.95237500328543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.88787447359368

n =  9774
somme des inverses des racines des entiers jusqu a n =  196.27178756355468
2*sqrt(n) =  197.727084639409
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.96238789667888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.89804084322404

n =  9775
somme des inverses des racines des entiers jusqu a n =  196.28190199830317
2*sqrt(n) =  197.73719933285187
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.97240028309832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.90820669017864

n =  9776
somme des inverses des racines des entiers jusqu a n =  196.29201591572897
2*sqrt(n) =  197.7473135089324
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.98241216262102
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.91837201453808

n =  9777
somme des inverses des racines des entiers jusqu a n =  196.30212931591143
2*sqrt(n) =  197.7574271677299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  185.99242353532424
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.92853681638275

n =  9778
somme des inverses des racines des entiers jusqu a n =  196.3122421989299
2*sqrt(n) =  197.76754030932378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.0024344012852
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.93870109579308

n =  9779
somme des inverses des racines des entiers jusqu a n =  196.32235456486373
2*sqrt(n) =  197.77765293379332
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.01244476058105
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.94886485284945

n =  9780
somme des inverses des racines des entiers jusqu a n =  196.33246641379222
2*sqrt(n) =  197.78776504121785
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.022454613289
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.95902808763228

n =  9781
somme des inverses des racines des entiers jusqu a n =  196.34257774579464
2*sqrt(n) =  197.7978766316767
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.03246395948622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.96919080022195

n =  9782
somme des inverses des racines des entiers jusqu a n =  196.3526885609503
2*sqrt(n) =  197.80798770524916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.04247279924985
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.9793529906988

n =  9783
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somme des inverses des racines des entiers jusqu a n =  196.36279885933843
2*sqrt(n) =  197.81809826201444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.05248113265702
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.98951465914317

n =  9784
somme des inverses des racines des entiers jusqu a n =  196.37290864103824
2*sqrt(n) =  197.82820830205182
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.06248895978482
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  202.99967580563532

n =  9785
somme des inverses des racines des entiers jusqu a n =  196.38301790612897
2*sqrt(n) =  197.83831782544047
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.0724962807103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.00983643025555

n =  9786
somme des inverses des racines des entiers jusqu a n =  196.39312665468978
2*sqrt(n) =  197.84842683225966
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.0825030955106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.0199965330842

n =  9787
somme des inverses des racines des entiers jusqu a n =  196.40323488679985
2*sqrt(n) =  197.8585353225885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.09250940426267
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.0301561142014

n =  9788
somme des inverses des racines des entiers jusqu a n =  196.41334260253834
2*sqrt(n) =  197.86864329650618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.1025152070436
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.04031517368745

n =  9789
somme des inverses des racines des entiers jusqu a n =  196.42344980198436
2*sqrt(n) =  197.87875075409184
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.11252050393043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.05047371162254

n =  9790
somme des inverses des racines des entiers jusqu a n =  196.43355648521703
2*sqrt(n) =  197.88885769542458
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.12252529500003
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.06063172808686

n =  9791
somme des inverses des racines des entiers jusqu a n =  196.44366265231542
2*sqrt(n) =  197.8989641205835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.13252958032945
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.07078922316055

n =  9792
somme des inverses des racines des entiers jusqu a n =  196.4537683033586
2*sqrt(n) =  197.9090700296477
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.14253335999558
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.08094619692375

n =  9793
somme des inverses des racines des entiers jusqu a n =  196.46387343842562
2*sqrt(n) =  197.9191754226962
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.15253663407543
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.09110264945662
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n =  9794
somme des inverses des racines des entiers jusqu a n =  196.4739780575955
2*sqrt(n) =  197.92928029980808
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.16253940264582
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.10125858083921

n =  9795
somme des inverses des racines des entiers jusqu a n =  196.48408216094725
2*sqrt(n) =  197.93938466106235
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.1725416657837
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.11141399115166

n =  9796
somme des inverses des racines des entiers jusqu a n =  196.4941857485599
2*sqrt(n) =  197.94948850653796
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.1825434235659
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.12156888047397

n =  9797
somme des inverses des racines des entiers jusqu a n =  196.50428882051233
2*sqrt(n) =  197.9595918363139
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.19254467606928
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.13172324888623

n =  9798
somme des inverses des racines des entiers jusqu a n =  196.51439137688354
2*sqrt(n) =  197.96969465046917
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.20254542337065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.14187709646842

n =  9799
somme des inverses des racines des entiers jusqu a n =  196.52449341775247
2*sqrt(n) =  197.97979694908267
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.21254566554686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.15203042330057

n =  9800
somme des inverses des racines des entiers jusqu a n =  196.534594943198
2*sqrt(n) =  197.9898987322333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.22254540267465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.16218322946264

n =  9801
somme des inverses des racines des entiers jusqu a n =  196.544695953299
2*sqrt(n) =  198.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.23254463483082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.17233551503458

n =  9802
somme des inverses des racines des entiers jusqu a n =  196.55479644813437
2*sqrt(n) =  198.01010075246163
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.24254336209214
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.18248728009635

n =  9803
somme des inverses des racines des entiers jusqu a n =  196.56489642778294
2*sqrt(n) =  198.020200989697
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.2525415845353
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.19263852472787

n =  9804
somme des inverses des racines des entiers jusqu a n =  196.57499589232353
2*sqrt(n) =  198.030300711785
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.262539302237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.202789249009

n =  9805
somme des inverses des racines des entiers jusqu a n =  196.58509484183494
2*sqrt(n) =  198.04039991880444
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.272536515274
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.21293945301966

n =  9806
somme des inverses des racines des entiers jusqu a n =  196.59519327639597
2*sqrt(n) =  198.0504986108341
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.28253322372294
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.2230891368397

n =  9807
somme des inverses des racines des entiers jusqu a n =  196.60529119608537
2*sqrt(n) =  198.06059678795276
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.29252942766044
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.23323830054892

n =  9808
somme des inverses des racines des entiers jusqu a n =  196.6153886009819
2*sqrt(n) =  198.07069445023916
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.30252512716316
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.24338694422715

n =  9809
somme des inverses des racines des entiers jusqu a n =  196.62548549116428
2*sqrt(n) =  198.08079159777205
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.31252032230773
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.2535350679542

n =  9810
somme des inverses des racines des entiers jusqu a n =  196.63558186671122
2*sqrt(n) =  198.09088823063013
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.32251501317072
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.26368267180982

n =  9811
somme des inverses des racines des entiers jusqu a n =  196.64567772770138
2*sqrt(n) =  198.10098434889213
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.33250919982873
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.2738297558738

n =  9812
somme des inverses des racines des entiers jusqu a n =  196.65577307421344
2*sqrt(n) =  198.1110799526367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.3425028823583
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.28397632022586

n =  9813
somme des inverses des racines des entiers jusqu a n =  196.66586790632604
2*sqrt(n) =  198.12117504194245
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.35249606083596
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.29412236494568

n =  9814
somme des inverses des racines des entiers jusqu a n =  196.67596222411782
2*sqrt(n) =  198.1312696168881
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.36248873533825
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.304267890113

n =  9815
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somme des inverses des racines des entiers jusqu a n =  196.68605602766738
2*sqrt(n) =  198.1413636775522
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.37248090594164
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.31441289580746

n =  9816
somme des inverses des racines des entiers jusqu a n =  196.69614931705328
2*sqrt(n) =  198.15145722401337
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.38247257272263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.32455738210874

n =  9817
somme des inverses des racines des entiers jusqu a n =  196.7062420923541
2*sqrt(n) =  198.16155025635018
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.39246373575767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.33470134909643

n =  9818
somme des inverses des racines des entiers jusqu a n =  196.7163343536484
2*sqrt(n) =  198.17164277464119
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.4024543951232
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.34484479685017

n =  9819
somme des inverses des racines des entiers jusqu a n =  196.72642610101468
2*sqrt(n) =  198.18173477896494
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.41244455089566
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.35498772544958

n =  9820
somme des inverses des racines des entiers jusqu a n =  196.73651733453144
2*sqrt(n) =  198.1918262693999
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.4224342031514
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.36513013497415

n =  9821
somme des inverses des racines des entiers jusqu a n =  196.7466080542772
2*sqrt(n) =  198.20191724602464
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.43242335196686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.3752720255035

n =  9822
somme des inverses des racines des entiers jusqu a n =  196.7566982603304
2*sqrt(n) =  198.21200770891758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.4424119974184
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.38541339711716

n =  9823
somme des inverses des racines des entiers jusqu a n =  196.76678795276948
2*sqrt(n) =  198.22209765815717
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.4524001395823
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.3955542498946

n =  9824
somme des inverses des racines des entiers jusqu a n =  196.77687713167288
2*sqrt(n) =  198.23218709382186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.46238777853495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.40569458391533

n =  9825
somme des inverses des racines des entiers jusqu a n =  196.786965797119
2*sqrt(n) =  198.2422760159901
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.47237491435263
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.4158343992588
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n =  9826
somme des inverses des racines des entiers jusqu a n =  196.7970539491862
2*sqrt(n) =  198.25236442474022
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.48236154711162
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.42597369600452

n =  9827
somme des inverses des racines des entiers jusqu a n =  196.80714158795286
2*sqrt(n) =  198.26245232015063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.49234767688822
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.43611247423183

n =  9828
somme des inverses des racines des entiers jusqu a n =  196.81722871349734
2*sqrt(n) =  198.27253970229967
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.5023333037586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.4462507340202

n =  9829
somme des inverses des racines des entiers jusqu a n =  196.82731532589796
2*sqrt(n) =  198.2826265712657
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.51231842779907
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.45638847544902

n =  9830
somme des inverses des racines des entiers jusqu a n =  196.837401425233
2*sqrt(n) =  198.292712927127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.5223030490858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.46652569859762

n =  9831
somme des inverses des racines des entiers jusqu a n =  196.84748701158077
2*sqrt(n) =  198.3027987699619
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.532287167695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.47666240354536

n =  9832
somme des inverses des racines des entiers jusqu a n =  196.85757208501954
2*sqrt(n) =  198.31288409984865
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.54227078370278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.48679859037156

n =  9833
somme des inverses des racines des entiers jusqu a n =  196.86765664562753
2*sqrt(n) =  198.3229689168655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.55225389718535
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.49693425915558

n =  9834
somme des inverses des racines des entiers jusqu a n =  196.877740693483
2*sqrt(n) =  198.33305322109072
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.56223650821883
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.50706940997665

n =  9835
somme des inverses des racines des entiers jusqu a n =  196.8878242286641
2*sqrt(n) =  198.34313701260248
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.57221861687933
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.51720404291405

n =  9836
somme des inverses des racines des entiers jusqu a n =  196.89790725124908
2*sqrt(n) =  198.353220291479
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.58220022324292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.52733815804703

n =  9837
somme des inverses des racines des entiers jusqu a n =  196.90798976131606
2*sqrt(n) =  198.36330305779848
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.59218132738573
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.53747175545485

n =  9838
somme des inverses des racines des entiers jusqu a n =  196.9180717589432
2*sqrt(n) =  198.37338531163903
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.60216192938375
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.54760483521667

n =  9839
somme des inverses des racines des entiers jusqu a n =  196.92815324420863
2*sqrt(n) =  198.3834670530788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.61214202931302
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.55773739741167

n =  9840
somme des inverses des racines des entiers jusqu a n =  196.93823421719046
2*sqrt(n) =  198.39354828219592
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.62212162724964
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.56786944211908

n =  9841
somme des inverses des racines des entiers jusqu a n =  196.94831467796675
2*sqrt(n) =  198.40362899906847
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.6321007232695
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.57800096941796

n =  9842
somme des inverses des racines des entiers jusqu a n =  196.9583946266156
2*sqrt(n) =  198.41370920377452
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.6420793174486
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.58813197938747

n =  9843
somme des inverses des racines des entiers jusqu a n =  196.968474063215
2*sqrt(n) =  198.42378889639215
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.65205740986295
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.59826247210677

n =  9844
somme des inverses des racines des entiers jusqu a n =  196.97855298784307
2*sqrt(n) =  198.4338680769994
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.66203500058845
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.60839244765486

n =  9845
somme des inverses des racines des entiers jusqu a n =  196.98863140057773
2*sqrt(n) =  198.44394674567425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.67201208970104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.61852190611086

n =  9846
somme des inverses des racines des entiers jusqu a n =  196.998709301497
2*sqrt(n) =  198.45402490249472
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.6819886772766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.62865084755379

n =  9847
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somme des inverses des racines des entiers jusqu a n =  197.00878669067887
2*sqrt(n) =  198.4641025475388
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.691964763391
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.6387792720627

n =  9848
somme des inverses des racines des entiers jusqu a n =  197.01886356820125
2*sqrt(n) =  198.47417968088445
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.70194034812016
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.6489071797166

n =  9849
somme des inverses des racines des entiers jusqu a n =  197.0289399341421
2*sqrt(n) =  198.48425630260957
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.71191543153986
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.6590345705944

n =  9850
somme des inverses des racines des entiers jusqu a n =  197.0390157885793
2*sqrt(n) =  198.4943324127921
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.72189001372595
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.66916144477514

n =  9851
somme des inverses des racines des entiers jusqu a n =  197.04909113159073
2*sqrt(n) =  198.50440801150992
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.73186409475426
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.67928780233777

n =  9852
somme des inverses des racines des entiers jusqu a n =  197.0591659632543
2*sqrt(n) =  198.51448309884094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.74183767470052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.68941364336115

n =  9853
somme des inverses des racines des entiers jusqu a n =  197.06924028364782
2*sqrt(n) =  198.524557674863
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.7518107536405
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.6995389679242

n =  9854
somme des inverses des racines des entiers jusqu a n =  197.07931409284913
2*sqrt(n) =  198.53463173965392
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.76178333165
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.70966377610586

n =  9855
somme des inverses des racines des entiers jusqu a n =  197.08938739093605
2*sqrt(n) =  198.54470529329157
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.77175540880475
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.71978806798498

n =  9856
somme des inverses des racines des entiers jusqu a n =  197.09946017798637
2*sqrt(n) =  198.5547783358537
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.78172698518043
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.72991184364037

n =  9857
somme des inverses des racines des entiers jusqu a n =  197.10953245407785
2*sqrt(n) =  198.56485086741813
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.7916980608527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.74003510315083
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n =  9858
somme des inverses des racines des entiers jusqu a n =  197.11960421928825
2*sqrt(n) =  198.5749228880626
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.80166863589727
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.75015784659524

n =  9859
somme des inverses des racines des entiers jusqu a n =  197.12967547369527
2*sqrt(n) =  198.58499439786482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.8116387103898
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.76028007405233

n =  9860
somme des inverses des racines des entiers jusqu a n =  197.13974621737665
2*sqrt(n) =  198.59506539690256
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.82160828440587
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.77040178560088

n =  9861
somme des inverses des racines des entiers jusqu a n =  197.14981645041007
2*sqrt(n) =  198.60513588525347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.83157735802115
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.78052298131962

n =  9862
somme des inverses des racines des entiers jusqu a n =  197.1598861728732
2*sqrt(n) =  198.61520586299528
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.8415459313112
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.7906436612873

n =  9863
somme des inverses des racines des entiers jusqu a n =  197.16995538484372
2*sqrt(n) =  198.62527533020565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.85151400435166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.80076382558264

n =  9864
somme des inverses des racines des entiers jusqu a n =  197.18002408639921
2*sqrt(n) =  198.63534428696218
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.861481577218
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.81088347428425

n =  9865
somme des inverses des racines des entiers jusqu a n =  197.19009227761734
2*sqrt(n) =  198.6454127333425
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.8714486499858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.82100260747086

n =  9866
somme des inverses des racines des entiers jusqu a n =  197.20015995857565
2*sqrt(n) =  198.65548066942426
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.8814152227306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.8311212252211

n =  9867
somme des inverses des racines des entiers jusqu a n =  197.21022712935175
2*sqrt(n) =  198.665548095285
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.89138129552785
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.84123932761358

n =  9868
somme des inverses des racines des entiers jusqu a n =  197.22029379002316
2*sqrt(n) =  198.6756150110023
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.90134686845306
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.85135691472692

n =  9869
somme des inverses des racines des entiers jusqu a n =  197.23035994066743
2*sqrt(n) =  198.68568141665367
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.91131194158166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.86147398663965

n =  9870
somme des inverses des racines des entiers jusqu a n =  197.24042558136208
2*sqrt(n) =  198.69574731231668
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.92127651498916
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.87159054343044

n =  9871
somme des inverses des racines des entiers jusqu a n =  197.2504907121846
2*sqrt(n) =  198.7058126980688
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.9312405887509
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.88170658517774

n =  9872
somme des inverses des racines des entiers jusqu a n =  197.26055533321244
2*sqrt(n) =  198.71587757398754
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.94120416294237
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.89182211196012

n =  9873
somme des inverses des racines des entiers jusqu a n =  197.27061944452308
2*sqrt(n) =  198.72594194015034
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.95116723763888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.90193712385604

n =  9874
somme des inverses des racines des entiers jusqu a n =  197.28068304619396
2*sqrt(n) =  198.73600579663466
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.96112981291586
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.91205162094406

n =  9875
somme des inverses des racines des entiers jusqu a n =  197.2907461383025
2*sqrt(n) =  198.7460691435179
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.97109188884858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.92216560330255

n =  9876
somme des inverses des racines des entiers jusqu a n =  197.30080872092609
2*sqrt(n) =  198.7561319808775
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.98105346551245
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.93227907101004

n =  9877
somme des inverses des racines des entiers jusqu a n =  197.3108707941421
2*sqrt(n) =  198.76619430879086
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  186.99101454298273
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.9423920241449

n =  9878
somme des inverses des racines des entiers jusqu a n =  197.32093235802787
2*sqrt(n) =  198.7762561273353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.00097512133473
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.95250446278558

n =  9879
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somme des inverses des racines des entiers jusqu a n =  197.33099341266077
2*sqrt(n) =  198.78631743658818
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.0109352006437
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.9626163870104

n =  9880
somme des inverses des racines des entiers jusqu a n =  197.3410539581181
2*sqrt(n) =  198.79637823662685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.02089478098495
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.9727277968978

n =  9881
somme des inverses des racines des entiers jusqu a n =  197.35111399447715
2*sqrt(n) =  198.80643852752857
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.03085386243362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.98283869252606

n =  9882
somme des inverses des racines des entiers jusqu a n =  197.3611735218152
2*sqrt(n) =  198.8164983093707
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.040812445065
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  203.99294907397353

n =  9883
somme des inverses des racines des entiers jusqu a n =  197.37123254020952
2*sqrt(n) =  198.82655758223044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.05077052895425
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.00305894131853

n =  9884
somme des inverses des racines des entiers jusqu a n =  197.38129104973734
2*sqrt(n) =  198.83661634618508
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.06072811417658
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.0131682946393

n =  9885
somme des inverses des racines des entiers jusqu a n =  197.3913490504759
2*sqrt(n) =  198.84667460131186
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.07068520080713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.02327713401422

n =  9886
somme des inverses des racines des entiers jusqu a n =  197.40140654250237
2*sqrt(n) =  198.85673234768794
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.08064178892104
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.03338545952138

n =  9887
somme des inverses des racines des entiers jusqu a n =  197.41146352589396
2*sqrt(n) =  198.86678958539056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.09059787859343
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.04349327123913

n =  9888
somme des inverses des racines des entiers jusqu a n =  197.42152000072784
2*sqrt(n) =  198.87684631449685
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.10055346989938
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.0536005692456

n =  9889
somme des inverses des racines des entiers jusqu a n =  197.4315759670811
2*sqrt(n) =  198.886902535084
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.11050856291402
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.063707353619
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n =  9890
somme des inverses des racines des entiers jusqu a n =  197.44163142503092
2*sqrt(n) =  198.89695824722912
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.12046315771238
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.0738136244375

n =  9891
somme des inverses des racines des entiers jusqu a n =  197.45168637465437
2*sqrt(n) =  198.9070134510093
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.13041725436946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.08391938177922

n =  9892
somme des inverses des racines des entiers jusqu a n =  197.46174081602854
2*sqrt(n) =  198.9170681465017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.1403708529604
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.09402462572234

n =  9893
somme des inverses des racines des entiers jusqu a n =  197.4717947492305
2*sqrt(n) =  198.92712233378333
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.1503239535601
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.10412935634494

n =  9894
somme des inverses des racines des entiers jusqu a n =  197.48184817433727
2*sqrt(n) =  198.93717601293127
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.16027655624362
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.1142335737251

n =  9895
somme des inverses des racines des entiers jusqu a n =  197.49190109142592
2*sqrt(n) =  198.94722918402258
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.1702286610859
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.1243372779409

n =  9896
somme des inverses des racines des entiers jusqu a n =  197.5019535005734
2*sqrt(n) =  198.9572818471342
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.18018026816188
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.13444046907034

n =  9897
somme des inverses des racines des entiers jusqu a n =  197.51200540185673
2*sqrt(n) =  198.96733400234322
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.19013137754655
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.14454314719157

n =  9898
somme des inverses des racines des entiers jusqu a n =  197.52205679535288
2*sqrt(n) =  198.97738564972653
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.2000819893147
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.15464531238243

n =  9899
somme des inverses des racines des entiers jusqu a n =  197.5321076811388
2*sqrt(n) =  198.98743678936114
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.21003210354132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.16474696472105

n =  9900
somme des inverses des racines des entiers jusqu a n =  197.54215805929138
2*sqrt(n) =  198.997487421324
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.21998172030132
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.17484810428533

n =  9901
somme des inverses des racines des entiers jusqu a n =  197.55220792988757
2*sqrt(n) =  199.00753754569197
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.22993083966946
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.1849487311532

n =  9902
somme des inverses des racines des entiers jusqu a n =  197.56225729300425
2*sqrt(n) =  199.017587162542
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.23987946172062
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.19504884540265

n =  9903
somme des inverses des racines des entiers jusqu a n =  197.57230614871827
2*sqrt(n) =  199.02763627195094
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.24982758652965
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.20514844711158

n =  9904
somme des inverses des racines des entiers jusqu a n =  197.5823544971065
2*sqrt(n) =  199.03768487399566
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.2597752141713
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.21524753635785

n =  9905
somme des inverses des racines des entiers jusqu a n =  197.59240233824576
2*sqrt(n) =  199.047732968753
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.26972234472035
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.2253461132193

n =  9906
somme des inverses des racines des entiers jusqu a n =  197.60244967221286
2*sqrt(n) =  199.05778055629978
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.2796689782516
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.23544417777387

n =  9907
somme des inverses des racines des entiers jusqu a n =  197.61249649908459
2*sqrt(n) =  199.06782763671282
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.2896151148398
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.24554173009932

n =  9908
somme des inverses des racines des entiers jusqu a n =  197.62254281893775
2*sqrt(n) =  199.07787421006887
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.29956075455962
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.2556387702735

n =  9909
somme des inverses des racines des entiers jusqu a n =  197.63258863184907
2*sqrt(n) =  199.0879202764447
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.3095058974858
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.26573529837412

n =  9910
somme des inverses des racines des entiers jusqu a n =  197.64263393789528
2*sqrt(n) =  199.09796583591708
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.31945054369305
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.2758313144791

n =  9911
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somme des inverses des racines des entiers jusqu a n =  197.6526787371531
2*sqrt(n) =  199.1080108885627
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.32939469325598
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.28592681866604

n =  9912
somme des inverses des racines des entiers jusqu a n =  197.66272302969924
2*sqrt(n) =  199.11805543445828
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.33933834624932
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.29602181101276

n =  9913
somme des inverses des racines des entiers jusqu a n =  197.67276681561034
2*sqrt(n) =  199.12809947368052
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.34928150274763
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.30611629159696

n =  9914
somme des inverses des racines des entiers jusqu a n =  197.6828100949631
2*sqrt(n) =  199.13814300630605
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.35922416282554
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.31621026049632

n =  9915
somme des inverses des racines des entiers jusqu a n =  197.69285286783412
2*sqrt(n) =  199.14818603241156
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.36916632655766
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.3263037177885

n =  9916
somme des inverses des racines des entiers jusqu a n =  197.70289513430004
2*sqrt(n) =  199.15822855207364
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.37910799401857
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.33639666355117

n =  9917
somme des inverses des racines des entiers jusqu a n =  197.71293689443743
2*sqrt(n) =  199.1682705653689
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.38904916528278
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.34648909786196

n =  9918
somme des inverses des racines des entiers jusqu a n =  197.7229781483229
2*sqrt(n) =  199.17831207237398
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.39898984042492
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.35658102079853

n =  9919
somme des inverses des racines des entiers jusqu a n =  197.73301889603303
2*sqrt(n) =  199.1883530731654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.4089300195194
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.36667243243838

n =  9920
somme des inverses des racines des entiers jusqu a n =  197.7430591376443
2*sqrt(n) =  199.19839356781972
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.41886970264082
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.37676333285918

n =  9921
somme des inverses des racines des entiers jusqu a n =  197.75309887323328
2*sqrt(n) =  199.20843355641347
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.42880888986357
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.38685372213843
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n =  9922
somme des inverses des racines des entiers jusqu a n =  197.76313810287644
2*sqrt(n) =  199.21847303902317
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.4387475812622
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.39694360035367

n =  9923
somme des inverses des racines des entiers jusqu a n =  197.77317682665029
2*sqrt(n) =  199.2285120157253
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.44868577691108
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.4070329675824

n =  9924
somme des inverses des racines des entiers jusqu a n =  197.78321504463128
2*sqrt(n) =  199.23855048659635
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.45862347688467
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.4171218239022

n =  9925
somme des inverses des racines des entiers jusqu a n =  197.79325275689584
2*sqrt(n) =  199.24858845171275
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.46856068125737
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.42721016939043

n =  9926
somme des inverses des racines des entiers jusqu a n =  197.80328996352043
2*sqrt(n) =  199.25862591115097
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.4784973901036
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.43729800412467

n =  9927
somme des inverses des racines des entiers jusqu a n =  197.8133266645814
2*sqrt(n) =  199.2686628649874
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.48843360349767
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.44738532818224

n =  9928
somme des inverses des racines des entiers jusqu a n =  197.8233628601552
2*sqrt(n) =  199.2786993132984
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.49836932151396
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.4574721416406

n =  9929
somme des inverses des racines des entiers jusqu a n =  197.83339855031818
2*sqrt(n) =  199.28873525616044
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.50830454422686
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.46755844457724

n =  9930
somme des inverses des racines des entiers jusqu a n =  197.84343373514668
2*sqrt(n) =  199.2987706936498
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.5182392717106
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.4776442370694

n =  9931
somme des inverses des racines des entiers jusqu a n =  197.853468414717
2*sqrt(n) =  199.30880562584284
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.52817350403947
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.48772951919452

n =  9932
somme des inverses des racines des entiers jusqu a n =  197.8635025891055
2*sqrt(n) =  199.3188400528159
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.53810724128783
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.4978142910299

n =  9933
somme des inverses des racines des entiers jusqu a n =  197.87353625838844
2*sqrt(n) =  199.32887397464523
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.5480404835299
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.5078985526529

n =  9934
somme des inverses des racines des entiers jusqu a n =  197.8835694226421
2*sqrt(n) =  199.33890739140716
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.55797323083988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.51798230414082

n =  9935
somme des inverses des racines des entiers jusqu a n =  197.8936020819427
2*sqrt(n) =  199.34894030317793
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.567905483292
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.52806554557088

n =  9936
somme des inverses des racines des entiers jusqu a n =  197.9036342363665
2*sqrt(n) =  199.35897271003378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.57783724096052
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.5381482770204

n =  9937
somme des inverses des racines des entiers jusqu a n =  197.91366588598973
2*sqrt(n) =  199.36900461205096
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.5877685039196
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.54823049856662

n =  9938
somme des inverses des racines des entiers jusqu a n =  197.92369703088858
2*sqrt(n) =  199.37903600930565
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.5976992722434
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.55831221028677

n =  9939
somme des inverses des racines des entiers jusqu a n =  197.9337276711392
2*sqrt(n) =  199.38906690187403
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.60762954600602
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.56839341225802

n =  9940
somme des inverses des racines des entiers jusqu a n =  197.94375780681776
2*sqrt(n) =  199.39909728983227
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.61755932528166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.57847410455759

n =  9941
somme des inverses des racines des entiers jusqu a n =  197.9537874380004
2*sqrt(n) =  199.40912717325654
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.62748861014438
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.5885542872626

n =  9942
somme des inverses des racines des entiers jusqu a n =  197.96381656476325
2*sqrt(n) =  199.41915655222294
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.63741740066834
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.59863396045026

n =  9943
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somme des inverses des racines des entiers jusqu a n =  197.97384518718238
2*sqrt(n) =  199.42918542680758
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.64734569692752
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.6087131241976

n =  9944
somme des inverses des racines des entiers jusqu a n =  197.98387330533387
2*sqrt(n) =  199.43921379708655
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.657273498996
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.61879177858182

n =  9945
somme des inverses des racines des entiers jusqu a n =  197.99390091929382
2*sqrt(n) =  199.44924166313595
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.66720080694787
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.62886992367999

n =  9946
somme des inverses des racines des entiers jusqu a n =  198.00392802913822
2*sqrt(n) =  199.45926902503177
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.6771276208571
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.63894755956912

n =  9947
somme des inverses des racines des entiers jusqu a n =  198.01395463494313
2*sqrt(n) =  199.4692958828501
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.68705394079768
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.6490246863263

n =  9948
somme des inverses des racines des entiers jusqu a n =  198.02398073678455
2*sqrt(n) =  199.47932223666692
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.69697976684364
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.65910130402855

n =  9949
somme des inverses des racines des entiers jusqu a n =  198.03400633473845
2*sqrt(n) =  199.48934808655824
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.70690509906888
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.6691774127529

n =  9950
somme des inverses des racines des entiers jusqu a n =  198.0440314288808
2*sqrt(n) =  199.49937343260004
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.7168299375474
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.67925301257634

n =  9951
somme des inverses des racines des entiers jusqu a n =  198.05405601928754
2*sqrt(n) =  199.50939827486823
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.72675428235308
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.6893281035758

n =  9952
somme des inverses des racines des entiers jusqu a n =  198.0640801060346
2*sqrt(n) =  199.51942261343882
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.73667813355988
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.6994026858283

n =  9953
somme des inverses des racines des entiers jusqu a n =  198.07410368919787
2*sqrt(n) =  199.52944644838766
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.7466014912416
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.70947675941068
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n =  9954
somme des inverses des racines des entiers jusqu a n =  198.08412676885328
2*sqrt(n) =  199.5394697797907
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.7565243554722
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.71955032439993

n =  9955
somme des inverses des racines des entiers jusqu a n =  198.09414934507666
2*sqrt(n) =  199.54949260772375
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.76644672632546
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.72962338087288

n =  9956
somme des inverses des racines des entiers jusqu a n =  198.1041714179439
2*sqrt(n) =  199.55951493226274
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.77636860387526
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.73969592890649

n =  9957
somme des inverses des racines des entiers jusqu a n =  198.1141929875308
2*sqrt(n) =  199.5695367534835
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.78628998819542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.74976796857754

n =  9958
somme des inverses des racines des entiers jusqu a n =  198.1242140539132
2*sqrt(n) =  199.5795580714618
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.79621087935968
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.75983949996285

n =  9959
somme des inverses des racines des entiers jusqu a n =  198.13423461716684
2*sqrt(n) =  199.58957888627353
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.8061312774419
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.76991052313934

n =  9960
somme des inverses des racines des entiers jusqu a n =  198.14425467736754
2*sqrt(n) =  199.5995991979944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.81605118251576
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.7799810381837

n =  9961
somme des inverses des racines des entiers jusqu a n =  198.15427423459104
2*sqrt(n) =  199.60961900670017
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.82597059465502
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.79005104517276

n =  9962
somme des inverses des racines des entiers jusqu a n =  198.1642932889131
2*sqrt(n) =  199.61963831246663
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.8358895139334
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.80012054418324

n =  9963
somme des inverses des racines des entiers jusqu a n =  198.1743118404094
2*sqrt(n) =  199.6296571153695
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.84580794042463
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.81018953529193

n =  9964
somme des inverses des racines des entiers jusqu a n =  198.18432988915563
2*sqrt(n) =  199.63967541548448
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.85572587420242
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.82025801857552

n =  9965
somme des inverses des racines des entiers jusqu a n =  198.19434743522754
2*sqrt(n) =  199.64969321288726
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.86564331534038
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.8303259941107

n =  9966
somme des inverses des racines des entiers jusqu a n =  198.20436447870074
2*sqrt(n) =  199.6597105076535
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.87556026391215
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.84039346197417

n =  9967
somme des inverses des racines des entiers jusqu a n =  198.21438101965086
2*sqrt(n) =  199.66972729985886
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.8854767199914
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.85046042224258

n =  9968
somme des inverses des racines des entiers jusqu a n =  198.22439705815356
2*sqrt(n) =  199.67974358957895
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.89539268365172
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.86052687499256

n =  9969
somme des inverses des racines des entiers jusqu a n =  198.2344125942844
2*sqrt(n) =  199.68975937688944
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.90530815496675
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.8705928203008

n =  9970
somme des inverses des racines des entiers jusqu a n =  198.244427628119
2*sqrt(n) =  199.69977466186586
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.91522313400998
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.88065825824378

n =  9971
somme des inverses des racines des entiers jusqu a n =  198.25444215973292
2*sqrt(n) =  199.7097894445838
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.92513762085503
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.8907231888982

n =  9972
somme des inverses des racines des entiers jusqu a n =  198.2644561892017
2*sqrt(n) =  199.71980372511885
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.93505161557542
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.90078761234057

n =  9973
somme des inverses des racines des entiers jusqu a n =  198.27446971660086
2*sqrt(n) =  199.7298175035465
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.94496511824465
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.91085152864744

n =  9974
somme des inverses des racines des entiers jusqu a n =  198.2844827420059
2*sqrt(n) =  199.73983077994234
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.9548781289363
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.92091493789536

n =  9975
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somme des inverses des racines des entiers jusqu a n =  198.29449526549234
2*sqrt(n) =  199.74984355438178
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.96479064772373
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.9309778401608

n =  9976
somme des inverses des racines des entiers jusqu a n =  198.30450728713564
2*sqrt(n) =  199.75985582694037
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.9747026746805
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.9410402355203

n =  9977
somme des inverses des racines des entiers jusqu a n =  198.31451880701124
2*sqrt(n) =  199.76986759769352
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.98461420988002
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.95110212405027

n =  9978
somme des inverses des racines des entiers jusqu a n =  198.3245298251946
2*sqrt(n) =  199.7798788667167
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  187.99452525339572
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.9611635058272

n =  9979
somme des inverses des racines des entiers jusqu a n =  198.33454034176108
2*sqrt(n) =  199.78988963408534
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.00443580530103
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.97122438092748

n =  9980
somme des inverses des racines des entiers jusqu a n =  198.34455035678613
2*sqrt(n) =  199.79989989987482
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.0143458656693
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.98128474942757

n =  9981
somme des inverses des racines des entiers jusqu a n =  198.3545598703451
2*sqrt(n) =  199.80990966416056
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.02425543457397
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  204.99134461140383

n =  9982
somme des inverses des racines des entiers jusqu a n =  198.36456888251334
2*sqrt(n) =  199.81991892701788
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.03416451208832
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.00140396693266

n =  9983
somme des inverses des racines des entiers jusqu a n =  198.37457739336622
2*sqrt(n) =  199.82992768852216
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.04407309828574
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.01146281609036

n =  9984
somme des inverses des racines des entiers jusqu a n =  198.38458540297904
2*sqrt(n) =  199.83993594874875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.05398119323954
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.02152115895333

n =  9985
somme des inverses des racines des entiers jusqu a n =  198.3945929114271
2*sqrt(n) =  199.8499437077729
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.06388879702297
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.03157899559784
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n =  9986
somme des inverses des racines des entiers jusqu a n =  198.4045999187857
2*sqrt(n) =  199.85995096566995
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.0737959097094
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.04163632610022

n =  9987
somme des inverses des racines des entiers jusqu a n =  198.41460642513007
2*sqrt(n) =  199.86995772251515
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.083702531372
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.05169315053672

n =  9988
somme des inverses des racines des entiers jusqu a n =  198.4246124305355
2*sqrt(n) =  199.87996397838378
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.09360866208414
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.0617494689836

n =  9989
somme des inverses des racines des entiers jusqu a n =  198.43461793507714
2*sqrt(n) =  199.88996973335105
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.1035143019189
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.07180528151713

n =  9990
somme des inverses des racines des entiers jusqu a n =  198.44462293883026
2*sqrt(n) =  199.8999749874922
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.11341945094958
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.0818605882135

n =  9991
somme des inverses des racines des entiers jusqu a n =  198.45462744187003
2*sqrt(n) =  199.90997974088236
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.12332410924935
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.09191538914888

n =  9992
somme des inverses des racines des entiers jusqu a n =  198.46463144427165
2*sqrt(n) =  199.9199839935968
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.13322827689137
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.10196968439948

n =  9993
somme des inverses des racines des entiers jusqu a n =  198.47463494611023
2*sqrt(n) =  199.92998774571063
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.14313195394885
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.11202347404154

n =  9994
somme des inverses des racines des entiers jusqu a n =  198.4846379474609
2*sqrt(n) =  199.939990997299
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.15303514049484
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.12207675815105

n =  9995
somme des inverses des racines des entiers jusqu a n =  198.4946404483988
2*sqrt(n) =  199.949993748437
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.1629378366025
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.13212953680426

n =  9996
somme des inverses des racines des entiers jusqu a n =  198.504642448999
2*sqrt(n) =  199.9599959991998
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mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.17284004234497
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.14218181007723

n =  9997
somme des inverses des racines des entiers jusqu a n =  198.51464394933657
2*sqrt(n) =  199.96999774966244
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.18274175779527
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.15223357804604

n =  9998
somme des inverses des racines des entiers jusqu a n =  198.5246449494866
2*sqrt(n) =  199.97999899989998
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.19264298302647
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.16228484078673

n =  9999
somme des inverses des racines des entiers jusqu a n =  198.5346454495241
2*sqrt(n) =  199.9899997499875
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.20254371811166
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.1723355983754

n =  10000
somme des inverses des racines des entiers jusqu a n =  198.5446454495241
2*sqrt(n) =  200.0
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.21244396312383
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.1823858508881

n =  10001
somme des inverses des racines des entiers jusqu a n =  198.5546449495616
2*sqrt(n) =  200.0099997500125
mino = 2*sqrt(n) = -log(n)-gamma d Euler-2 =  188.222343718136
mino = 2*sqrt(n)+ln(sqrt(n))+gamma d Euler =  205.19243559840075
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