

SOMME DE COSINUS ($f(xy)=x+y$)

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```
import math
from math import atan, cos

PI = 4.0 * atan(1.0)
for n in range(2,101):
    somme = 0.0
    for i in range(2,n):
        for j in range(1,i+1):
            somme += cos(2.0 * PI * float(n) * float(j) / float(i))
print(str(n)+" somme globale "+str(somme))
```