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import math
from math import exp, sin, cos, pi
from scipy.special import lambertw

with open("zeros50", 'r') as f:
    lines = f.readlines()
    zeros = [float(line) for line in lines]
for x in range(50):
    res = (2*x/3)-cos(2*pi*x/3+pi/3)/3+(3**0.5)*sin(2*pi*x/3+pi/3)/9
    # formule fournie par Paul Barry en 2004 pour OEIS A004396
    print(f'{x:3} --> {round(res,2)}
{round(exp(lambertw(-((zeros[x-1]/2)**2)*(2*pi)/180).real),5)}')

```