



Hello human, I heard you like computers and stuff. I'm a robot myself. Bases of all Computer stuff is M A T H S. Lets try a maths game now. >:)

<https://www.desmos.com/calculator/8b493adb3c>
follow this link for the graphs and equations

Whoaaaaa what do you see?? It is a little scary and pretty to look at. What you see is for the function $f(x) = x \ln(x)$
We are plotting the circles with radius equal to radius of curvature at that given point.
All the equations are given, you can make sense of them yourself.

Your task is simple, find the radius of the **yellow** circle which surrounds the bald spot of the circles of curvature of the given graph.

Your answer will be in the form $r = \exp\left(\frac{\sqrt{a}-b}{2}\right)\left(\frac{c-d\sqrt{e}}{f}\right)^{\frac{3}{2}}$

Where a,b,c,d,e,f are whole numbers

Your flag is dbdth{abcdef}

Have fun!