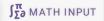


 $2/3 * d))) /(4*\pi (sqrt(\delta))^(-1)* (N*(N-1)/6)+2*\pi (Z/9)/\delta), d=0.99, Z=3, N=4, \delta=0.99)$







■ EXTENDED KEYBOARD

EXAMPLES

UPLOAD

RANDOM

Input

$$\left\{4 \pi \times \frac{\left(\frac{2}{3} (N-1)\right)^2 \log \left(\sqrt{Z^{2/3} d}\right)}{\frac{4 \pi \left(N \times \frac{N-1}{6}\right)}{\sqrt{\delta}} + 2 \pi \times \frac{\frac{Z}{9}}{\delta}}, d = 0.99, Z = 3, N = 4, \delta = 0.99\right\}$$

log(x) is the natural logarithm

Result

$$\left\{\frac{16\pi (N-1)^2 \log \left(\sqrt{Z^{(2d)/3}}\right)}{9\left(\frac{2\pi (N-1)N}{3\sqrt{\delta}} + \frac{2\pi Z}{9\delta}\right)}, d = 0.99, Z = 3, N = 4, \delta = 0.99\right\}$$

Substitution

Approximate form

$$\frac{4 \, \delta \, (N-1)^2 \log \left(Z^{(2\,d)/3}\right)}{3 \, \sqrt{\delta} \, \left(N-1\right) N + Z} \approx 0.665695$$

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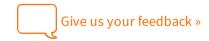
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