

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


 NATURAL LANGUAGE


 MATH INPUT


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 UPLOAD


 RANDOM

Input

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

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

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

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