





$$f(n) = n^2$$
, $g(n) = e^{0.000 \ln n}$

$$\lim_{n \to \infty} \frac{2}{(0.0001)^2} e^{0.0001n} = \frac{2}{e^{\infty}} = \frac{2}{e^{\infty}} = 0$$
 - Using l'hopidal's role

From the apower we can see that g(n) will grow forster then t(n), such that

f(n) & O (g(n))

We can see that g(h) will gran faster than f(h).

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