Predmet: Mataliza 1
Ukol: 6.
Verze: 1.
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Prezdivka: DN

zadani

Spoctete limitu posloupnosti $lim_{n\to\infty} \log(1 + \frac{1}{\sqrt{n}})$

reseni

Pouzijeme vetu o *limite slozene funkce*
$lim_{n\to\infty} \log(1 + \frac{1}{\sqrt{n}}) = lim_{y\to y_0} log(y)$
$y = lim_{n\to\infty}(1 + \frac{1}{\sqrt{n}}) = 1$
$lim_{y\to 1} \log(y)$
$lim_{n\to\infty} \log(1 + \frac{1}{\sqrt{n}}) = 0$