

Problem 7 (due on Monday, May 9)

Find the limit $\lim_{n \rightarrow \infty} \sqrt{5+1 \sqrt{6+2 \sqrt{7+3 \sqrt{\dots \sqrt{(n+3)+(n-1) \sqrt{n+4+n^n}}}}}}$.

We have not received any solutions. The limit in question is equal to $\frac{3}{2}$. For a complete solution see the following link [Solution](#).

From:

<https://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:

<https://www2.math.binghamton.edu/p/pow/problem7s22>

Last update: **2022/05/10 03:49**

