

Col colore sup e inf di $\{a_n\}_{n \in \mathbb{N}}$

$$a_n = (-1)^n \ln \left(\frac{e^n + 1}{e^n - 1} \right)$$

$$a_n = \arcsin \left(\frac{\pi}{2} \left(\frac{n^2 + 1}{n^2 + 3} \right) \right)$$

$$a_n = \cos \left(\pi \frac{n}{n^2 + 1} \right)$$

$$a_n = (-1)^n \frac{3n}{4n + 5}$$

$$a_n = \frac{n}{n^2 + 35}$$

↔

$$\lim_{x \rightarrow 0^+} \left(x^x + x^{\ln x} \right)^x$$

$$\lim_{x \rightarrow 0^+} \frac{\arcsin(x^x - 1)}{x \ln x + 3x}$$