

Límite por L'Hopital

Bit Planet

Solución

$$\lim_{x \rightarrow \infty} \frac{x}{e^x} = \frac{\infty}{\infty} = \frac{\infty}{\infty}$$

$$\lim_{x \rightarrow \infty} \frac{1 \cdot x^0}{e^x} = \frac{1}{e^x} = \frac{1}{\infty} = 0$$

$$\frac{d}{dx} x^n = n x^{n-1}$$

$$\frac{d}{dx} e^x = e^x$$