

$$e^x = 1 + x + \frac{x^2}{2!} + \dots + \frac{x^n}{n!} + o(x^n)$$

$$\text{Dare } e^x - 1 = x + \frac{x^2}{2!} + \dots + \frac{x^n}{n!} + o(x^n)$$

$$\text{Dare } \frac{e^x - 1}{x} = 1 + \frac{x}{2!} + \dots + \frac{x^{n-1}}{n!} + o(x^n)$$

$$\text{Dare } \lim_{x \rightarrow 0} \frac{e^x - 1}{x} = \underline{\underline{1}}$$