

$$\begin{aligned}
 e^z &= 1 + z + \frac{z^2}{2!} + \cdots + \frac{z^n}{n!} + \cdots & f(z) &= e^z & |z| < +\infty \\
 f(z) &= e^x & e^x &= 1 + x + \frac{x^2}{2!} + \cdots + \frac{x^n}{n!} + \cdots \\
 |x| &< \infty
 \end{aligned}$$

