

$$f(x) = \frac{\sin x}{x}$$

$$Z = \sin x \quad N = x$$

$$Z' = \cos x \quad N' = 1$$

$$\begin{aligned} f'(x) &= \frac{\cos x \cdot x - 1 \cdot \sin x}{x^2} \\ &= \frac{x \cos x - \sin x}{x^2} \end{aligned}$$