

$$f(x) = \frac{4x+1}{x}$$

$$Z = 4x + 1 \quad N = x$$

$$Z' = 4 \quad N' = 1$$

$$\begin{aligned} f'(x) &= \frac{4 \cdot x - (4x + 1) \cdot 1}{x^2} \\ &= \frac{4x - 4x - 1}{x^2} \\ &= -\frac{1}{x^2} \end{aligned}$$