



$$f(z) = \frac{(z-p)^2}{z-q}, \quad \text{ord}_p f = \frac{1}{2\pi i} \oint_{\partial D_\varepsilon(p)} \frac{df}{f} = +2, \quad \text{ord}_q f = \frac{1}{2\pi i} \oint_{\partial D_\varepsilon(q)} \frac{df}{f} = -1.$$

$$\Rightarrow \#Z - \#P = 2 - 1 = 1.$$

