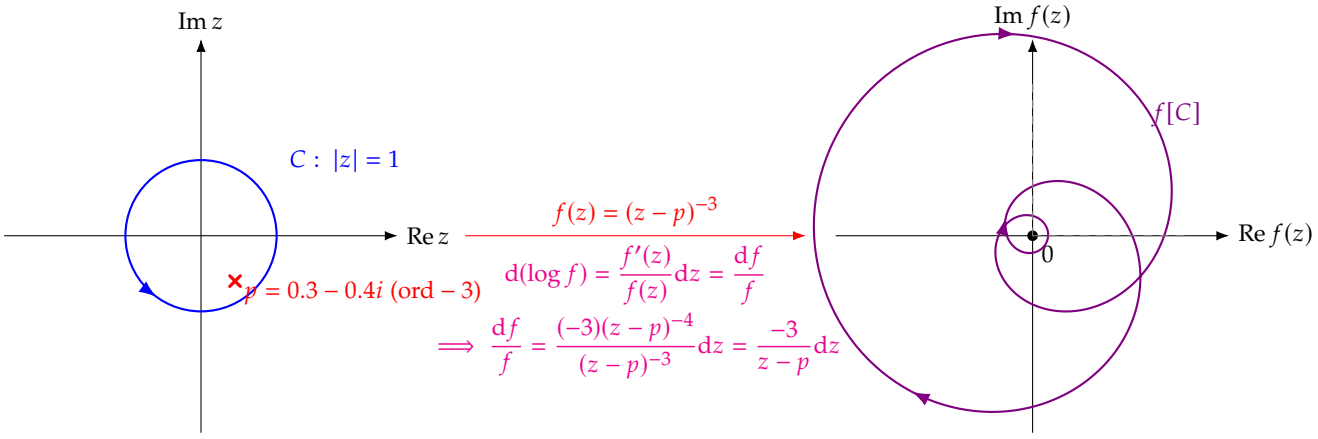

[Degree]

$$\oint_C \mathrm{d}(\log f) = \oint_C \frac{\mathrm{d}f}{f} = -3 \oint_C \frac{1}{z-p}\,\mathrm{d}z$$

$$\xrightarrow[t\in[0,2\pi]]{z=p+e^{it}} -3 \oint_{[0,2\pi]} \left(e^{-it}\right)\left(ie^{it}\,\mathrm{d}t\right) = -3i \oint_{[0,2\pi]} 1\,dt = 2\pi i \cdot (-3)$$