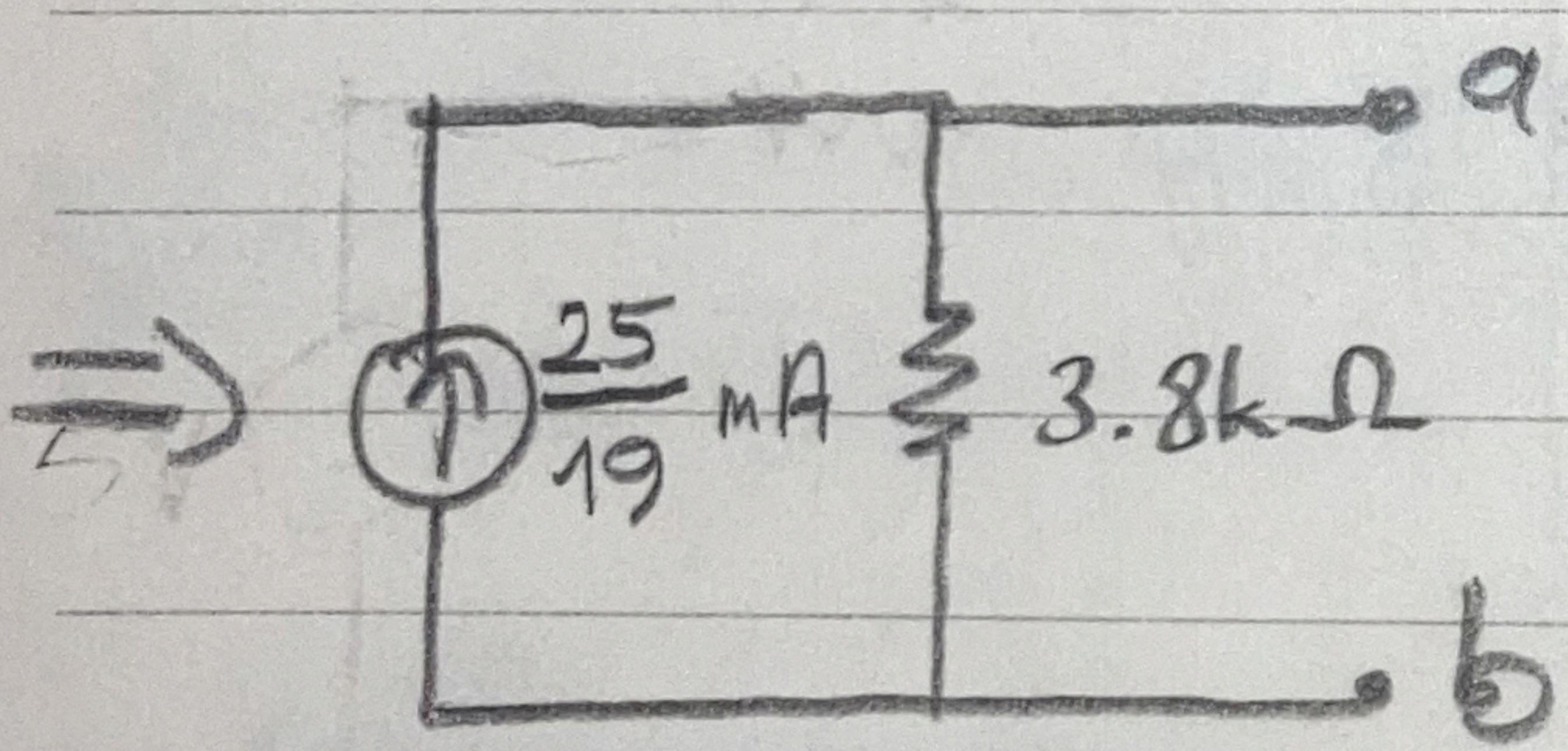
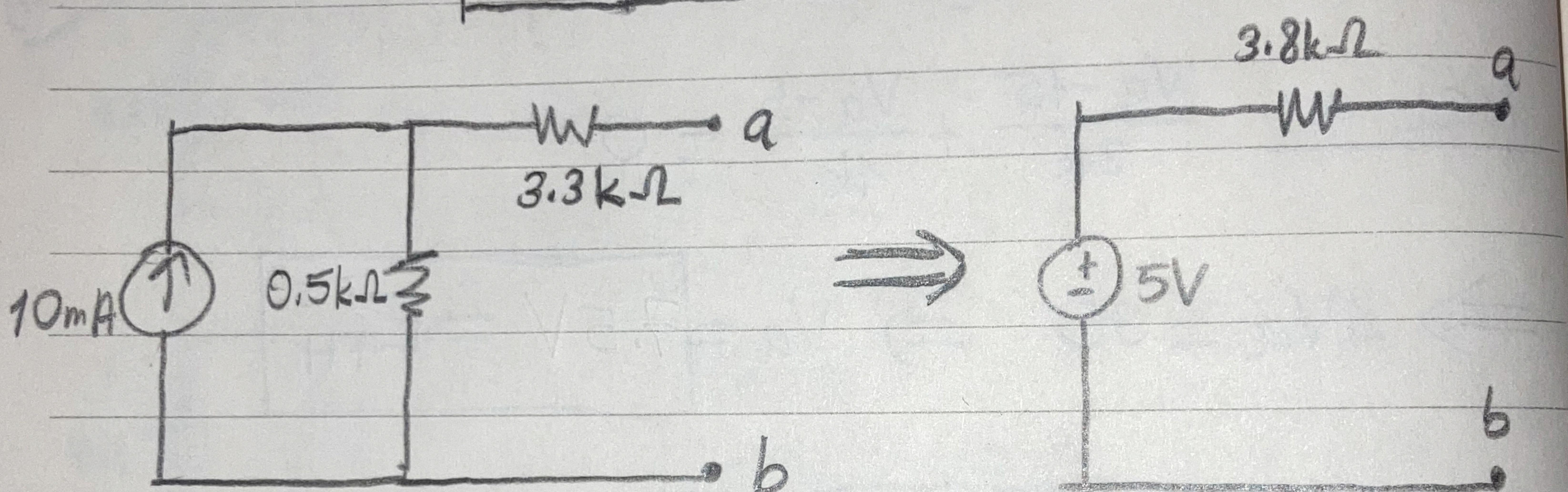
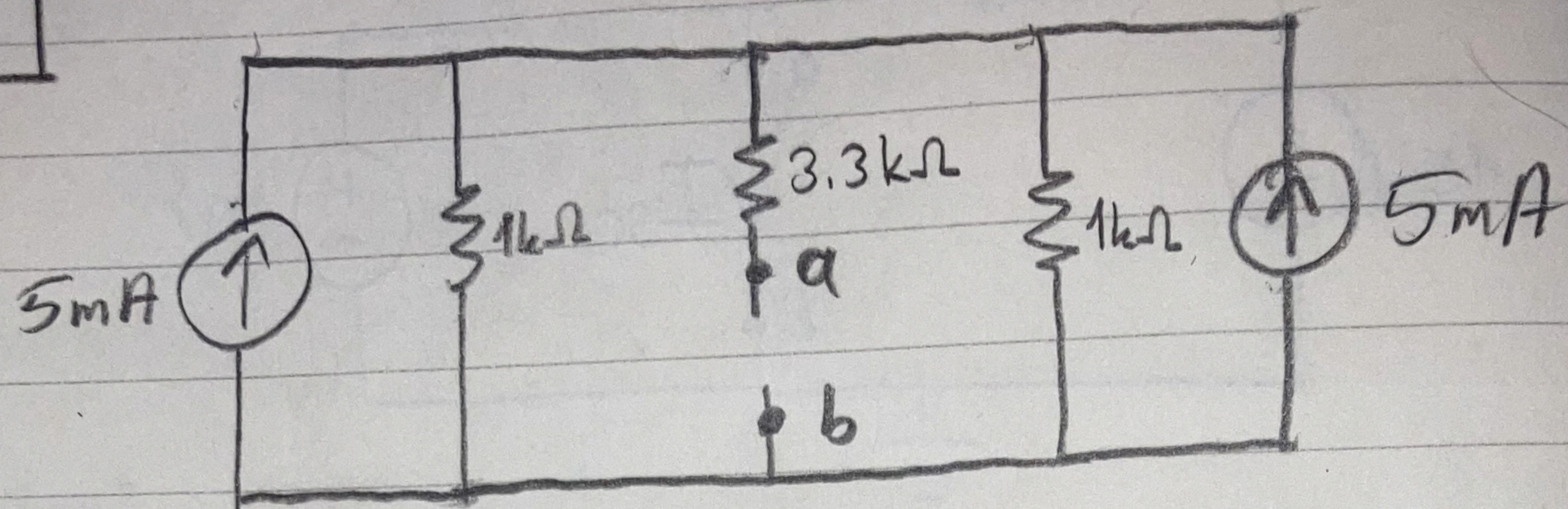


2 i

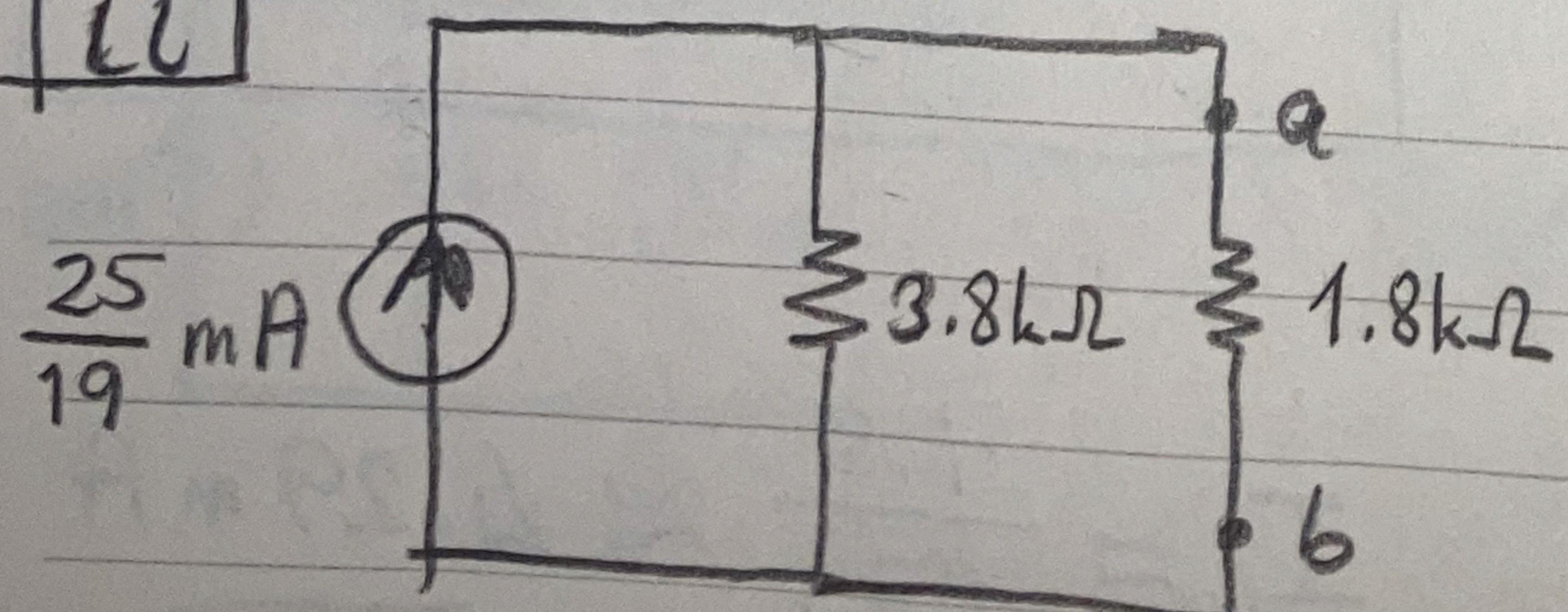


$$V_{OC} = V_{ab} = 5V$$

$$I_N = \frac{25}{19} \text{ mA}$$

$$R_N = \frac{V_{OC}}{I_N} = 3.8k\Omega$$

ii



$$I_5 = \frac{25}{19} \cdot \frac{3.8}{5.6} = \frac{25}{28} \text{ mA}$$

$$V_5 = R_5 \cdot I_5 = \frac{45}{28} \text{ V}$$