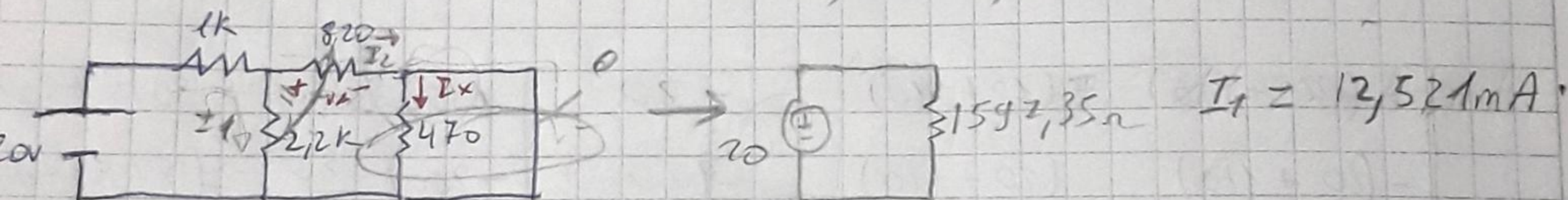


$$I_x = \frac{1507,5 \cdot 33,5 \text{ mA}}{1507,5 + 470} = 25,54 \text{ mA} \checkmark$$

$$I_v = I - I_x = 7,96 \text{ mA}$$

$$V_A = 820 \cdot 7,96 \text{ mA} = -6,5272 \text{ V}, \checkmark$$

Incorrectly
performed



$$I_2 = \frac{2,2 \text{ K} \cdot 12,521 \text{ mA}}{2,2 \text{ K} + 820} = 9,12 \text{ mA} \checkmark$$

$$V_A = 820 \cdot 9,12 \text{ mA} = 7,478 \text{ V} \checkmark$$

$$I_x = \frac{0 \cdot I_2}{470 + 0} = 0 \text{ A} \checkmark$$

$$V_T = -6,527 + 7,479 = 952 \text{ mV} \checkmark$$

$$A_T = 25,54 \text{ mA} + 0 \text{ A} = 25,54 \text{ mA} \checkmark$$