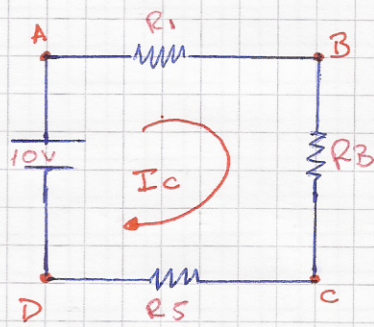
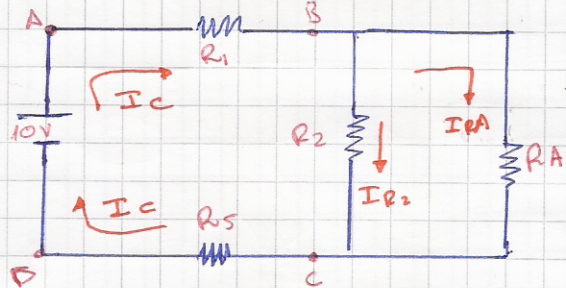


$$R_A = R_3 + R_4$$

$$R_D = 4,4 \text{ k}\Omega$$

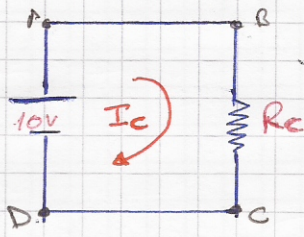
$$I_{RA} = I_{R3} = I_{R4}$$



$$\frac{1}{R_B} = \frac{1}{R_A} + \frac{1}{R_2} = \frac{1}{3,9} + \frac{1}{4,4}$$

$$R_B = 2057 \text{ k}\Omega$$

$$R_C = R_1 + R_B + R_5 = 4,867 \text{ k}\Omega$$



$$I_C = \frac{10\text{V}}{R_C} = 2054,65 \text{ A} = 2,05 \text{ mA}$$

• Voltages

$$V_{A-B} = I_{R1} \cdot R_1 = 2,05 \text{ [V]}$$

$$I_C = I_{R1} = I_{R3} = I_{R5}$$

$$V_{B-C} = 2054,65 \text{ [A]} \cdot R_B = 4,25 \text{ [V]}$$

$$10\text{V} = V_{A-B} + V_{B-C} + V_{C-D}$$

$$10\text{V} = 10\text{V}$$

$$V_{C-D} = I_C \cdot R_5 = 3,7 \text{ [V]}$$

$$I_{R2} = \frac{V_{B-C}}{R_2} = 1,089 \text{ [mA]}$$

$$I_{RA} = \frac{V_{B-C}}{R_A} = 0,9859 \text{ [mA]}$$

$$I_{RA} = I_{R4} = I_{R3}$$

$$V_{R3} = I_{RA} \cdot R_3 = 2,125 \text{ [V]}$$

$$V_{R4} = I_{RA} \cdot R_4 = 2,125 \text{ [V]}$$

$$+ = 4,25 = V_{B-C}$$