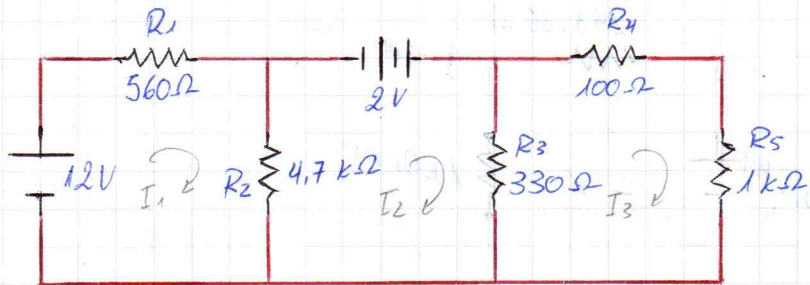


"Tú debes ser el cambio que buscas ver en el mundo"

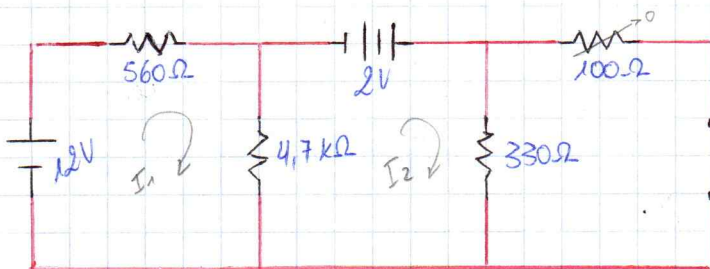
Electrónica I (Prácticas)



$$\begin{cases} 12 - 560I_1 - 4700(I_1 - I_2) = 0 \\ -4700(I_2 - I_1) + 2 - 330(I_2 - I_3) = 0 \\ -330(I_3 - I_2) - 100I_3 - 1000I_3 = 0 \end{cases}$$

$$\begin{aligned} I_1 &= 17,35 \text{ mA} \\ I_2 &= 16,87 \text{ mA} \\ I_3 &= 3,89 \text{ mA} \end{aligned}$$

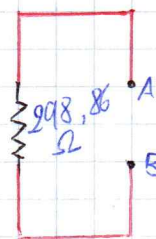
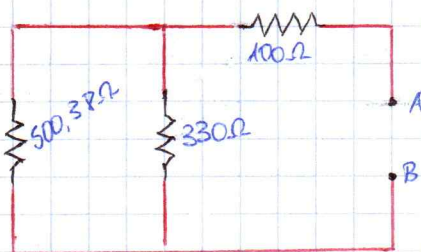
$$V_{R5} = 3,89(1000) = 3,89 \text{ V}$$



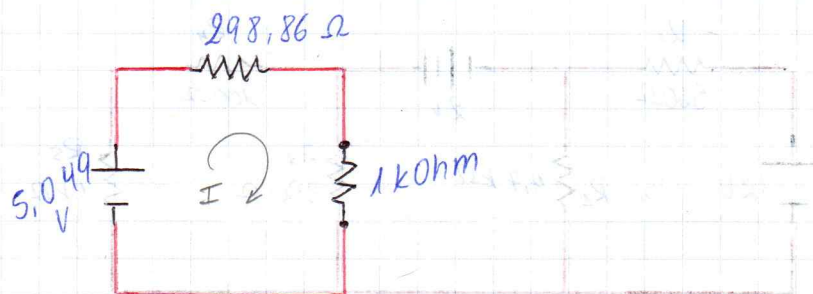
$$\begin{cases} 12 - 560I_1 - 4700(I_1 - I_2) = 0 \\ -4700(I_2 - I_1) + 2 - 330I_2 = 0 \end{cases}$$

$$\begin{aligned} I_1 &= 15,97 \text{ mA} \\ I_2 &= 15,3 \text{ mA} \end{aligned}$$

$$V_{th} = RI = 330(15,3) = 5049 \text{ mV} = 5,049 \text{ V}$$



$$\therefore R_{th} = 298,86 \Omega$$



$$5,049 - 298,86 I - 1000 I = 0$$

$$I = 3,89 \text{ mA}$$

$$V = RV = 1000 (3,89) = 3,89 \text{ V}$$

