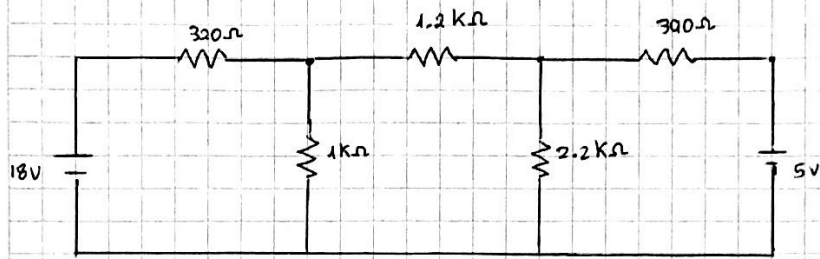


HOJA DE CÁLCULOS



$$\textcircled{1} \quad 18 - 320 I_1 - 1K (I_1 - I_2) = 0$$

$$\textcircled{2} \quad 5 - 2.2K (I_2 + I_3) - 390 I_3 = 0$$

$$\textcircled{3} \quad 1000 (I_2 - I_1) + 1.2K (I_2) + 2.2K (I_2 + I_3) = 0$$

$$I_1 = \frac{1K (I_2) + 18}{1820}$$

$$I_1 = 0.01145 = 11.45 \cdot 10^{-3} A = 11.45 \text{ mA}$$

$$I_2 = \frac{5 - 2.2K (I_3)}{2590}$$

$$I_2 = 2.847 \text{ mA}$$

$$I_3 = 483.7 \text{ } \mu A$$