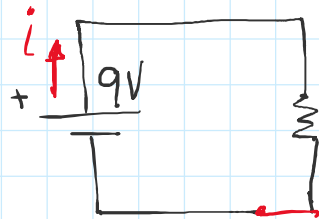
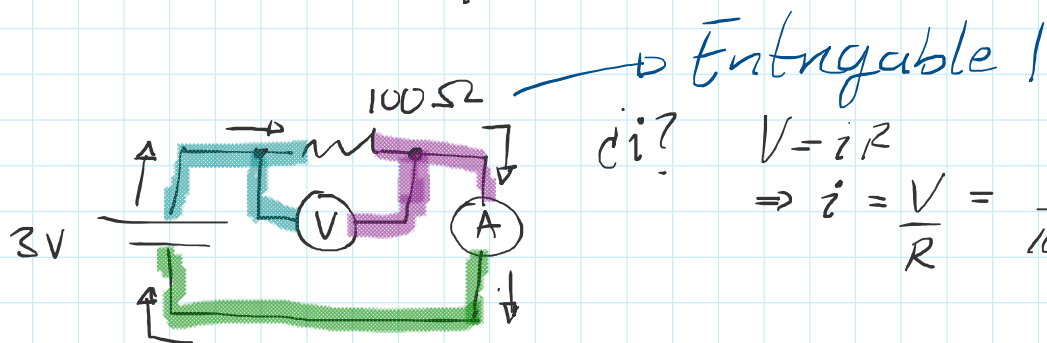


DC = Direct Current  $\Rightarrow$  Corriente/Voltage constantes.

Circuito:



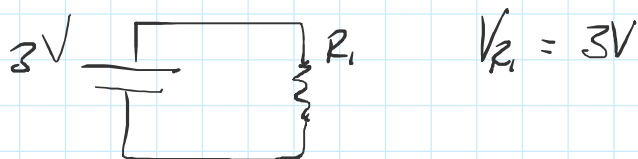
- Tinkercad
- Ley de Ohm
- Serie y Paralelo (Resistencias)
- Circuitos RC  $\rightarrow$  Cargas
  - $\rightarrow$  Descargas
  - $\rightarrow$  Equilibrio



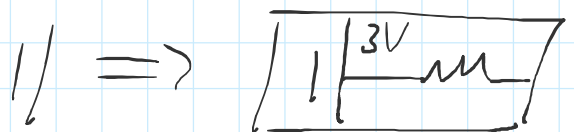
$$V = iR$$

$$\Rightarrow i = \frac{V}{R} = \frac{3}{100} = 0,03A$$

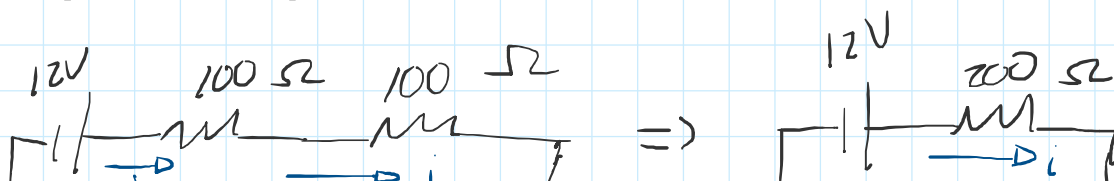
$$= 30mA$$

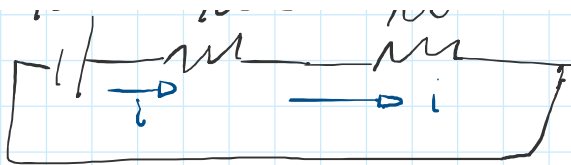


Fuente

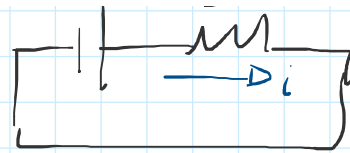


Resistencias en Serie





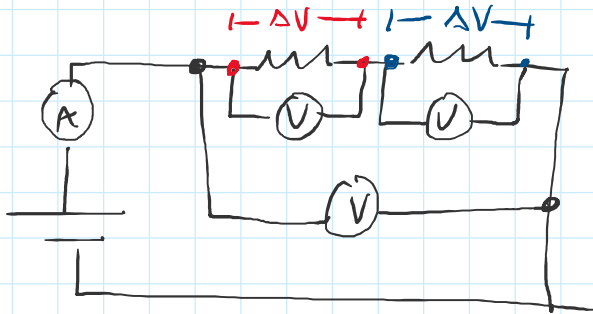
$\Rightarrow$



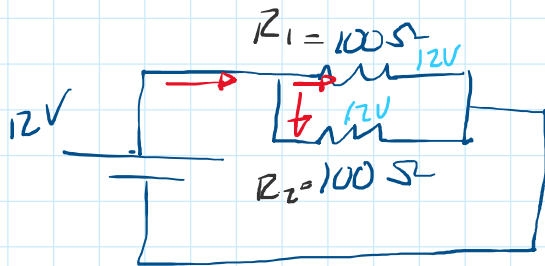
$$V_1 = 0,06 (100) = 6 \text{ V}$$

$$V_2 = 0,06 (50) = 3 \text{ V}$$

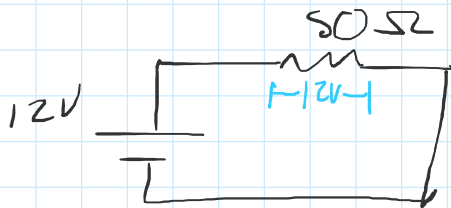
$$i = \frac{12}{200} = 0,06 \text{ A} = 60 \text{ mA}$$



$\rightarrow$  Entregable 2



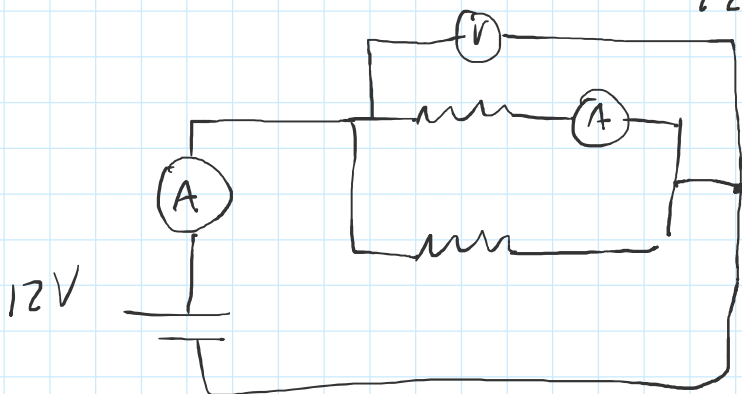
$$R_{eq} = \left( \frac{1}{100} + \frac{1}{100} \right)^{-1} = 50 \Omega$$



$$i = \frac{V}{R} = \frac{12}{50} = 0,24 \text{ A} = 240 \text{ mA}$$

$$i_1 = \frac{V_1}{R_1} = \frac{12}{100} = 120 \text{ mA}$$

$$i_2 = \frac{V_2}{R_2} = \frac{12}{100} = 120 \text{ mA}$$



$\rightarrow$  Entregable