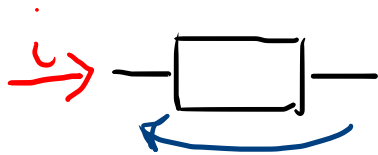
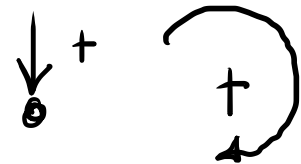


$$R_1 = 1\Omega \quad R_2 = 2\Omega$$

$$R_3 = 2\Omega$$



$$V = iR$$

$$\begin{cases} V - V_1 - V_2 = 0 \\ V_2 - V_3 = 0 \\ i_1 - i_2 - i_3 = 0 \end{cases}$$

$$\begin{cases} 10 - i_1 \cdot R_1 - i_2 \cdot R_2 = 0 \\ i_2 R_2 - i_3 R_3 = 0 \\ i_1 = i_2 + i_3 \end{cases}$$

$$\begin{cases} 10 - 1 \cdot i_1 - 2 \cdot i_2 = 0 \\ 2i_2 - 2 \cdot i_3 = 0 \\ i_1 = i_2 + i_3 \end{cases}$$

$$\begin{cases} 10 - i_1 - 2i_2 = 0 \\ \cancel{2}i_2 = \cancel{2}i_3 \\ i_1 = i_2 + i_2 = 2i_2 \end{cases}$$

$$\begin{cases} 10 - 2i_2 - 2i_2 = 0 \\ i_2 = i_3 \\ i_1 = 2i_2 \end{cases}$$

$$\begin{cases} 10 = 2i_2 + 2i_2 = 4i_2 \\ \underline{\hspace{1cm}} \\ \underline{\hspace{1cm}} \end{cases}$$

$$\begin{cases} i_2 = \frac{10}{4} = 2,5 \text{ A} \\ i_3 = 2,5 \text{ A} \\ i_1 = 5 \text{ A} \end{cases}$$

$$V_2 = i_2 \cdot R_2 = 2,5 \cdot 2 = 5 \text{ V}$$

$$V_3 = i_3 \cdot R_3 = 2,5 \cdot 2 = 5 \text{ V}$$

$$V_1 = i_1 \cdot R_1 = 5 \cdot 1 \Omega = 5 \text{ V}$$

