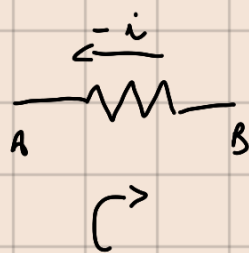
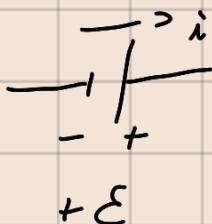
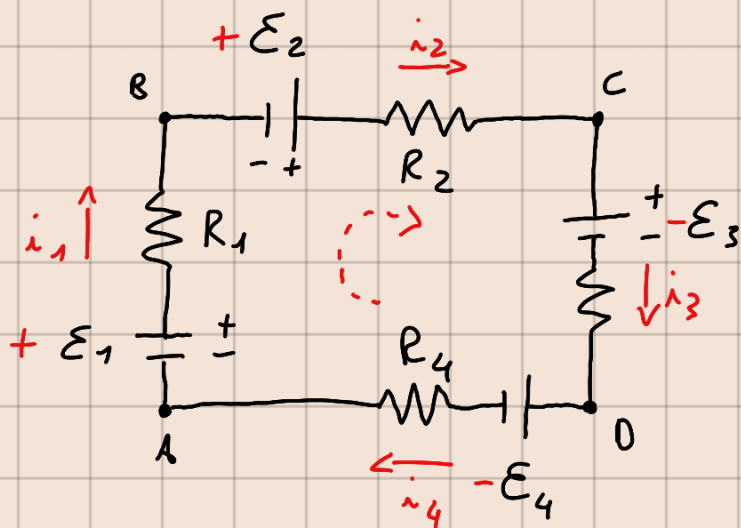
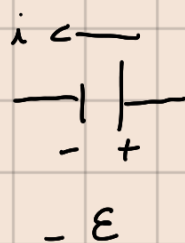


$$V_A - V_B = +Ri$$



$$V_A - V_B = -Ri$$



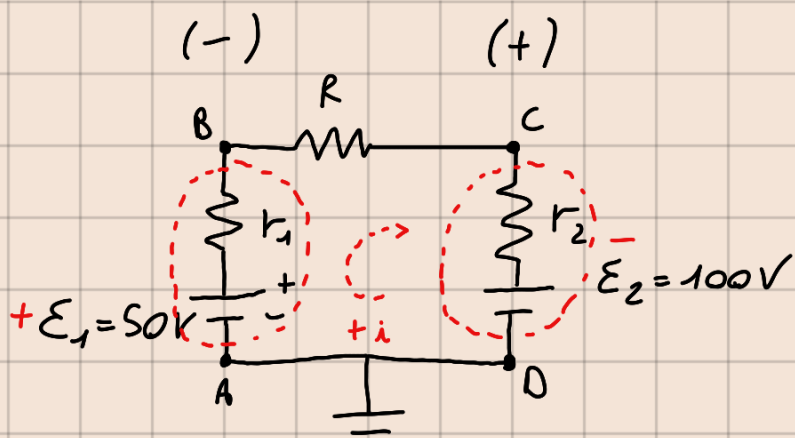
Procedimento

- Verso maglia
- Verso corrente
- Segni elementi attivi
ovvero generatori (f.e.m.) E_i
- segni $V (R_i i_i)$

$$I \quad i_1 = i_2 \quad i_2 = i_3 \quad i_3 = i_4 \quad i_4 = i_1$$

\rightarrow stesso i

$$II \quad E_1 + E_2 - E_3 - E_4 = R_1 i_1 + R_2 i_2 + R_3 i_3 + R_4 i_4 \quad \begin{array}{l} \text{b } i \text{ è la stessa} \\ \text{e b si può raccogliere} \end{array}$$



$$r_1 = 20 \Omega$$

$$r_2 = 30 \Omega$$

$$R = 50 \Omega$$

$$E_1 - E_2 = r_1 i + R i + r_2 i$$

$$i = \frac{E_1 - E_2}{R + (r_1 + r_2)} = -0.5 \text{ A}$$

o corrente como em
sensor anterior

$\curvearrowright i$

$$\rightarrow V_B - V_C = -R i = -25 \text{ V}$$

$$V_A - V_B = -E_1 - r_1 i = -60 \text{ V}$$

$$V_C - V_D = +E_2 - r_2 i = +85 \text{ V}$$

Potência

$$(E_1 - E_2) i = (R + r_1 + r_2) i^2$$

energia dos
geradores

dissipada