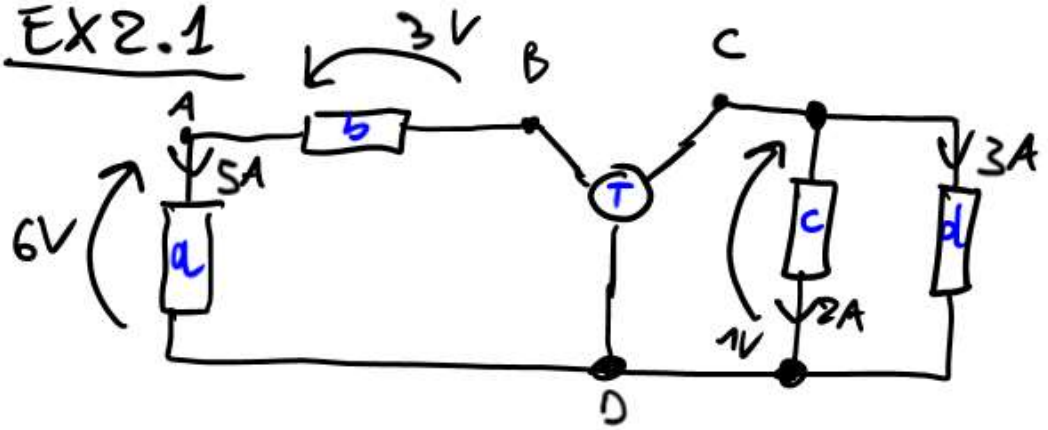
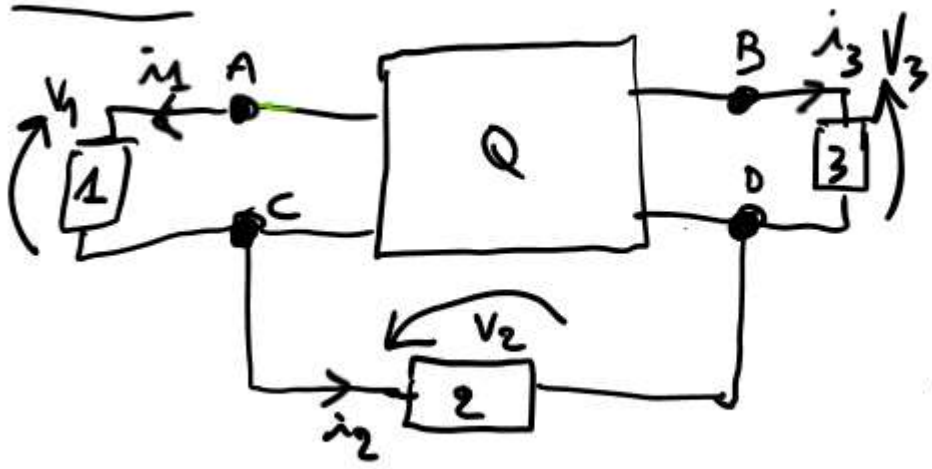
EX2.1



•) Disegnare il GRAFO del circuito (orientato come "v." e "i")

•) Ricavare le v e le i mancanti.

EX2.2



Hp

•) $V_1 = 10V$

•) $V_2 = -5V$

•) $V_3 = 3V$

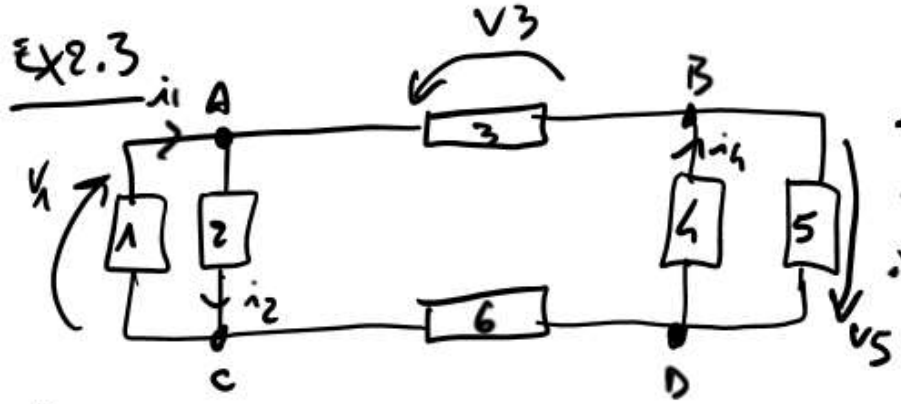
•) $i_1 = 5A$

•) $i_2 = 3A$

•) $i_3 = -4A$

GRAFI? v/i mancanti

Ex 2.3

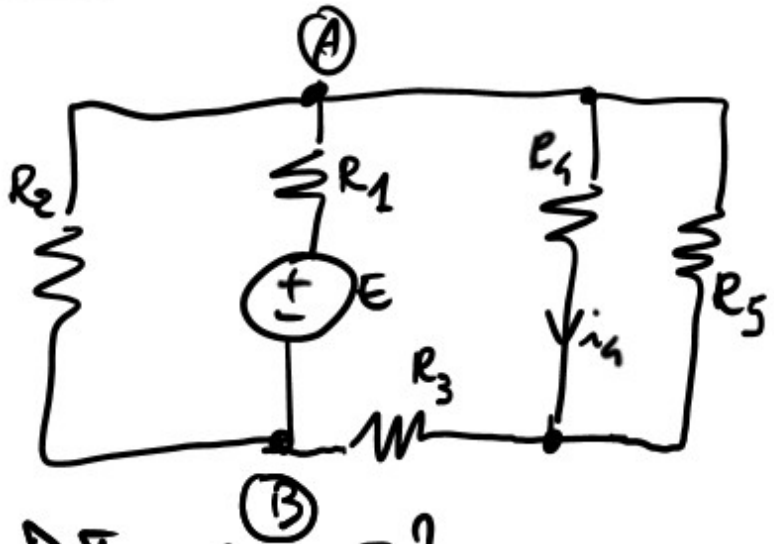


Hp

- $V_1 = 1V$
- $V_3 = 2V$
- $V_5 = -4V$
- $i_4 = 4A$
- $i_2 = 2A$
- $i_4 = -2A$

- Matrice incidenze A? i mancanti usando A?

Ex 2.4

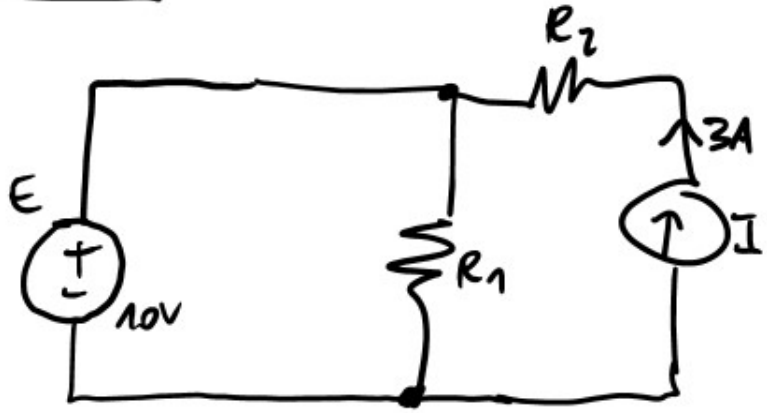


Hp

- $i_4 = 0,5A$
- $R_1 = 10\Omega$
- $R_2 = 20\Omega$
- $R_3 = 30\Omega$
- $R_4 = 20\Omega$
- $R_5 = 30\Omega$

- Determinare E?

Ex 2.5

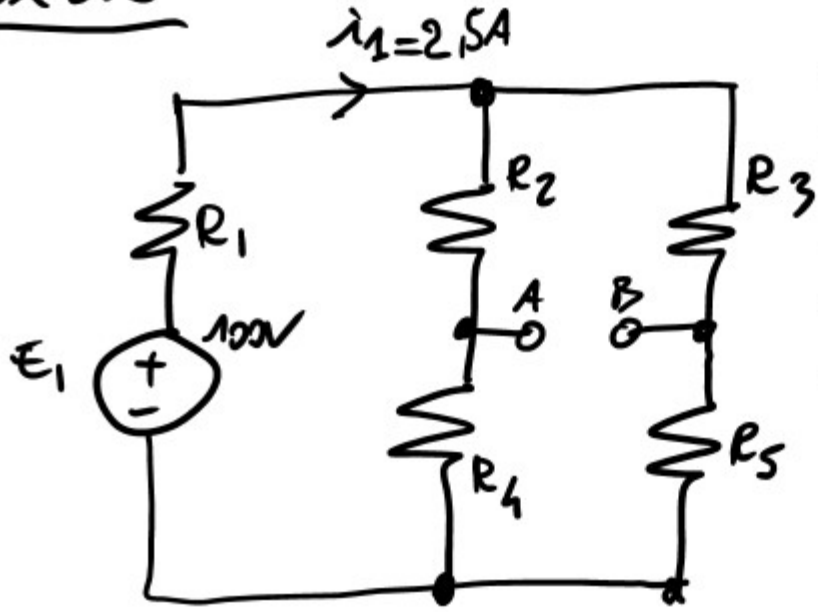


Hp

- E = 10V
- I = 3A
- $R_1 = 10\,\Omega$
- $R_2 = 20\,\Omega$

→ VERIFICARE IL BILANCIO DELLE POTENZE

Ex 2.6



Hp

- $E_1 = 100V$
- $i_1 = 2,5A$
- $R_1 = 10\,\Omega$
- $R_2 = R_5 = 30\,\Omega$
- $R_3 = R_4 = 45\,\Omega$

⇒ V_{AB} ?