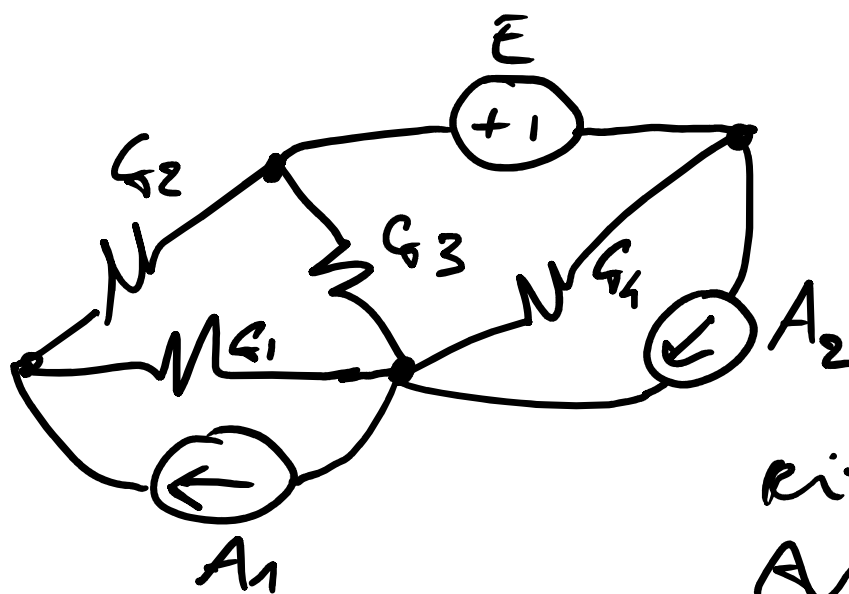


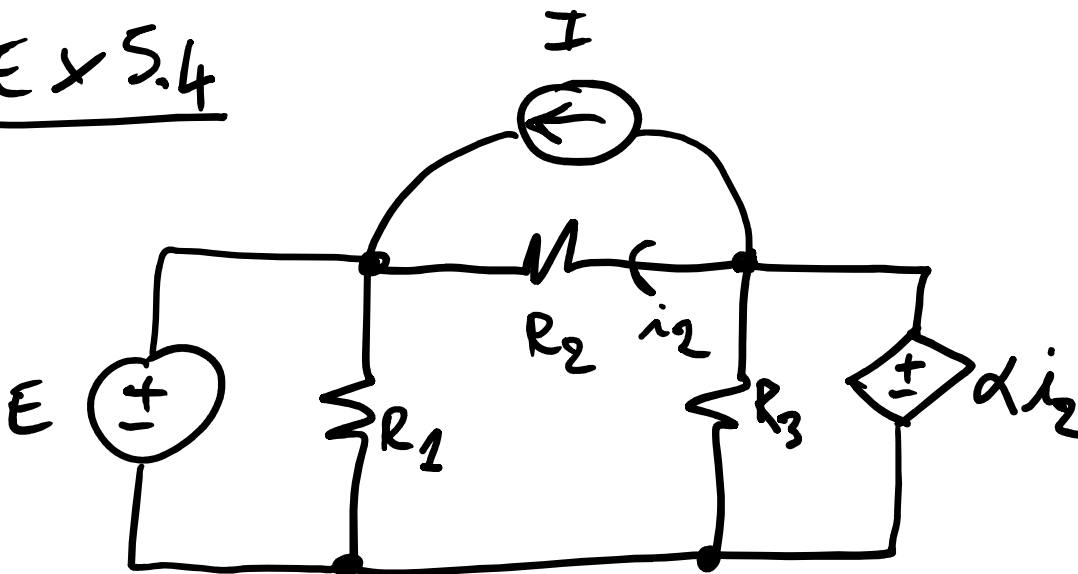
E S. 3



HP
 •) A_1, A_2
 •) E
 •) G_{1-4}

Risolvere con
 Ampère Node
 Modificate (MNA)

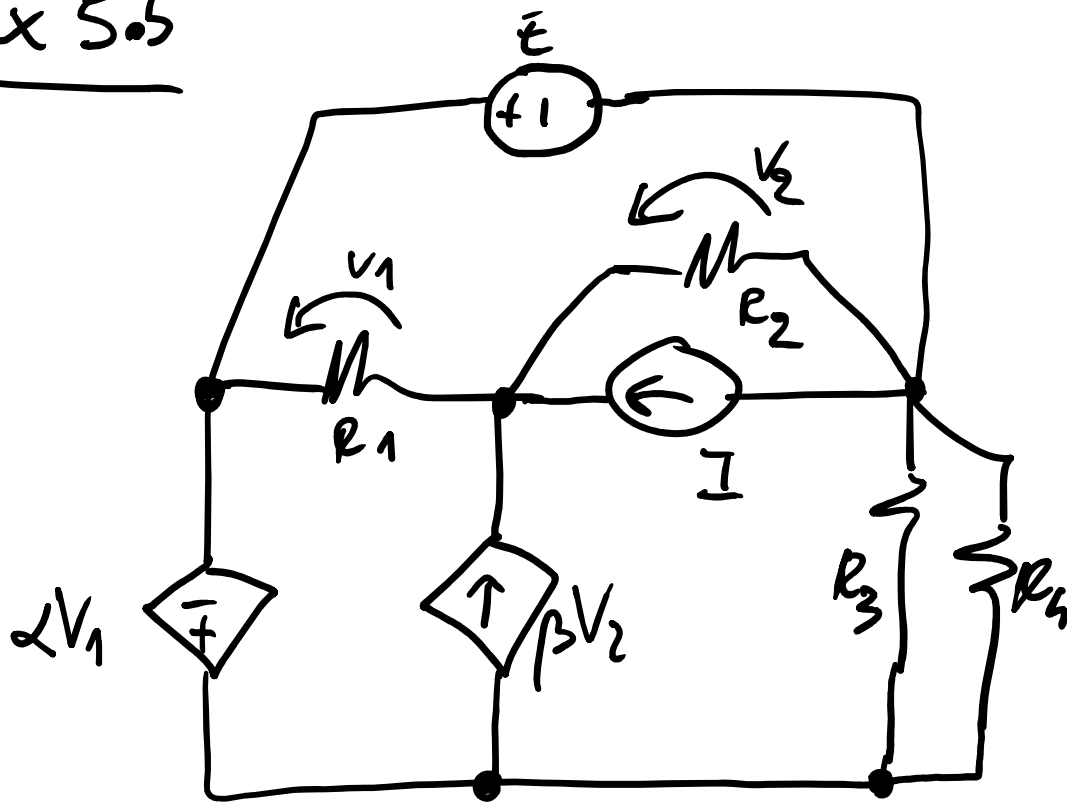
E x S. 4



HP
 •) R_{1-3}
 •) $\alpha [a]$
 •) E
 •) I

Verificare il
 Bilancio delle
 Potenze

Ex 5.5



Hp

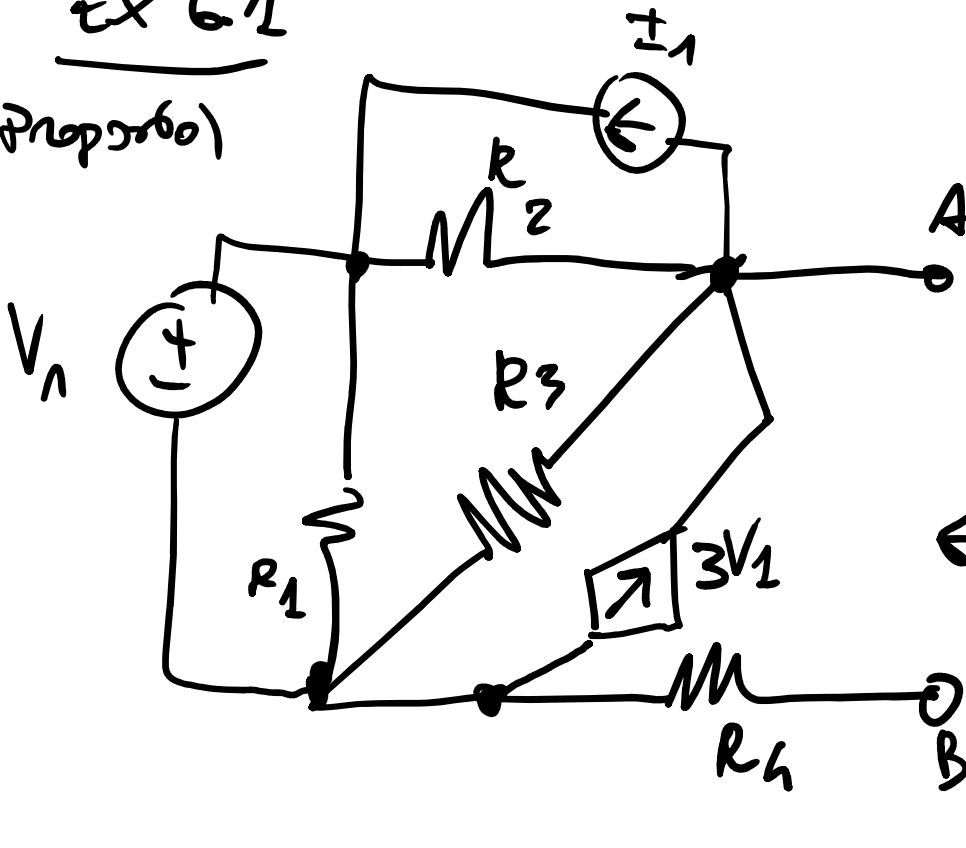
-) $R_{1-4} = 1\Omega$
-) $\lambda = 10$
-) $\beta = 5\Omega^{-1}$
-) $I = 5A$
-) $E = 12V$

Determinare tutte le v_n e tutte le i_n del circuito utilizzando:

- 1) MNA
- 2) Supernodi

Ex 6.1

(proprio)



HP V_1, I_1 Not
 $e_{1-4} = 1\Omega$

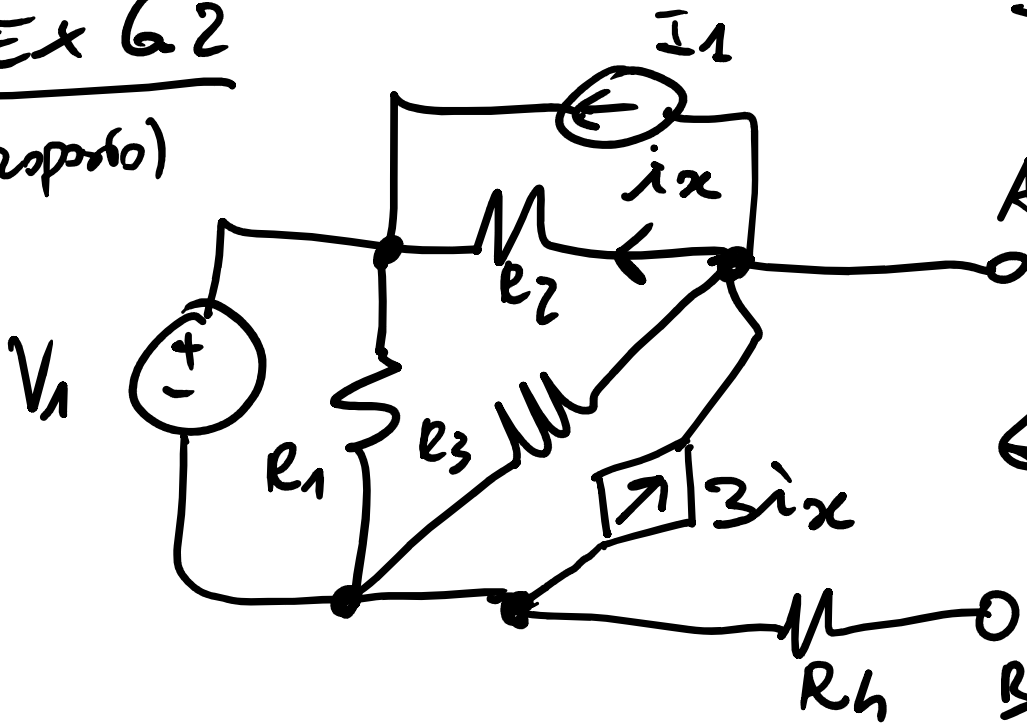
Determine
 R_{AB}

$$[R_{AB} = \frac{3}{2}\Omega]$$

$R_{AB}!$

Ex 6.2

(proprio)



HP V_1, I_1
 $e_{1-4} = 1\Omega$
 $\rightarrow R_{AB}?$

$$[R_{AB} = -\frac{1}{2}\Omega]$$

$R_{AB}!$

Ex 6.3

(proposito)

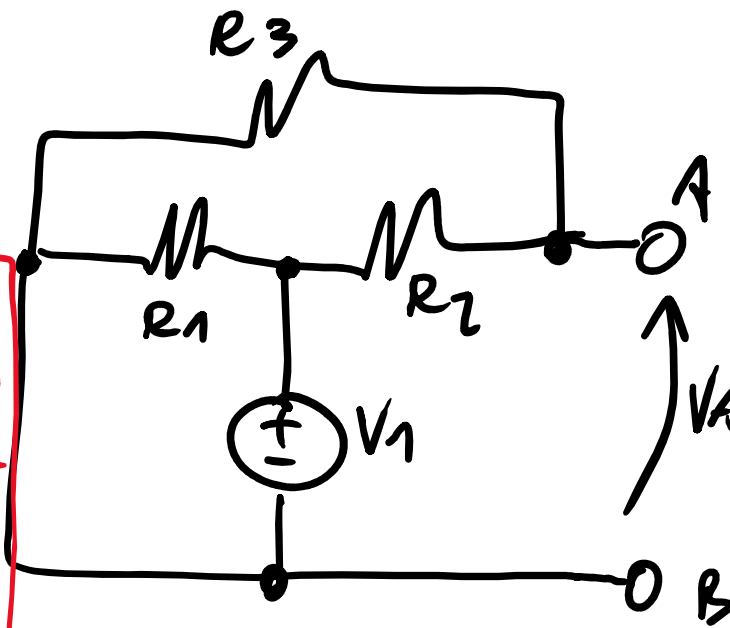
$$V_{AB} = 3V$$

$$P_{V_1} = 45W \text{ (GEN)}$$

$$P_{R_1} = 22,5W \text{ (UT)}$$

$$P_{R_2} = 18W \text{ (UT)}$$

$$P_{R_3} = 4,5W \text{ (UT)}$$



HP
 $V_1 = 15V$

$R_1 = 10\Omega$

$R_2 = 8\Omega$

$R_3 = 2\Omega$

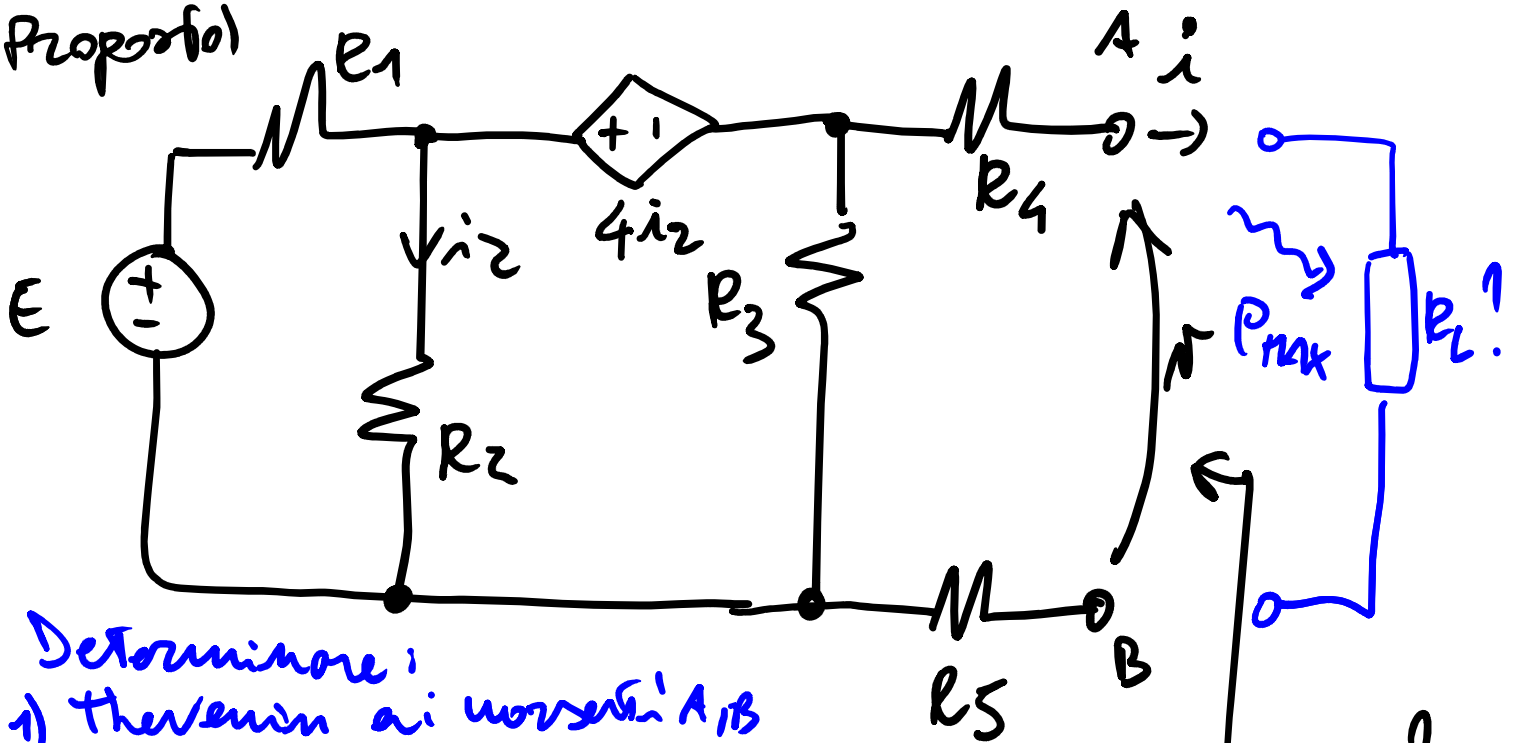
$\rightarrow V_{AB}?$

\rightarrow Telegen?

Ex 6.4

(proposito)

HP $E = 3V$; $R_1 = 1\Omega$



Determinare:

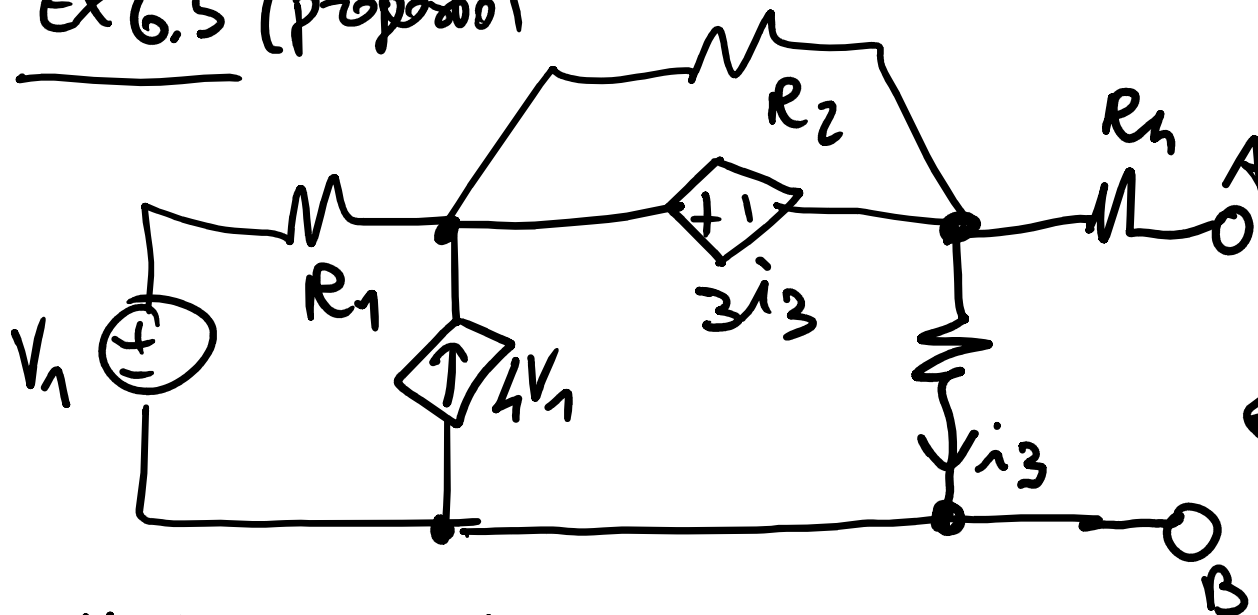
1) Thevenin ai morsetti A/B

2) R_L x avere max Trasferimento di Potenza

Thevenin?

$$[V_{eq} = 3V \quad R_{eq} = 5\Omega \quad R_L = 5\Omega]$$

EX 6.5 (proprio)



$V_1 = 3V$ $R_1 = 1\Omega$

→ Norton?
 → Thevenin?

$[V_{eq} = 3V \quad R_{eq} = \frac{6}{5}\Omega \quad I_0 = -\frac{5}{2}A]$

Norton?
 Thevenin?