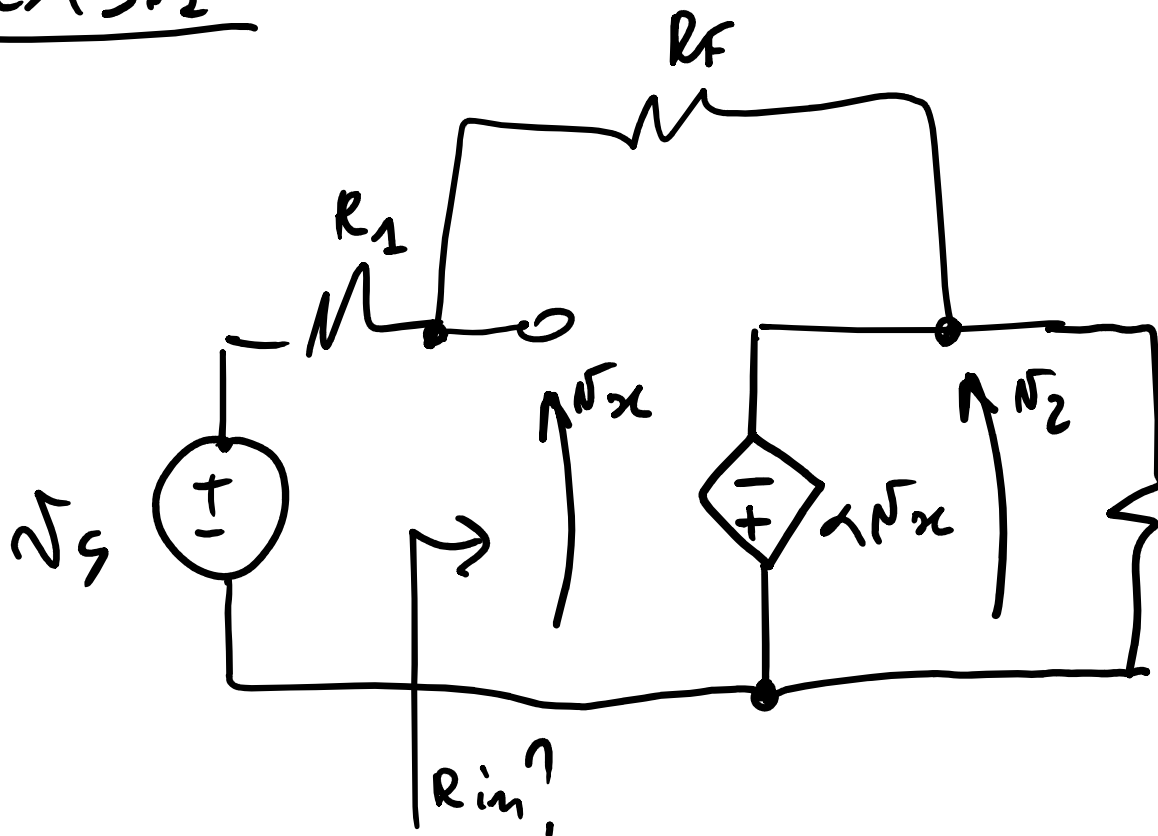


EX 5.1



HP

1) $\alpha = 200$

2) $R_1 = R_2 = 1 \text{ k}\Omega$

3) $R_F = 50 \text{ k}\Omega$

4) $v_s = 10 \text{ mV}$

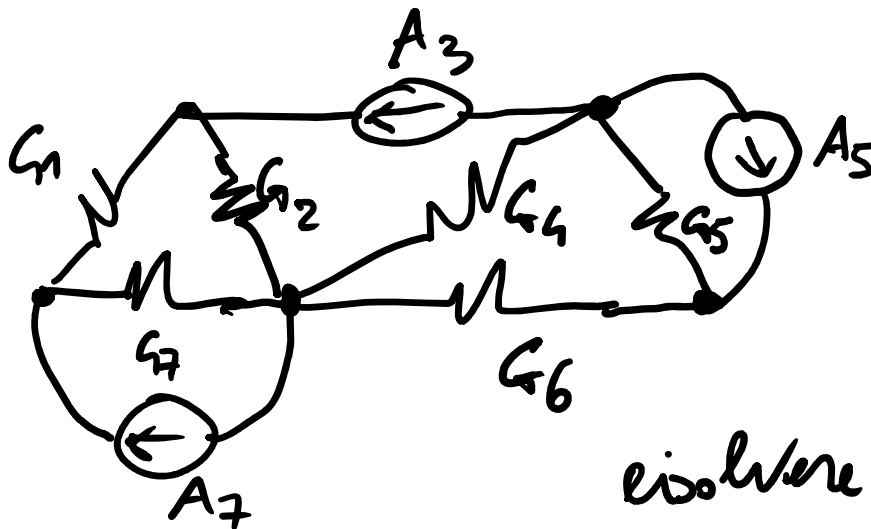
5) v_x ?

6) v_x / v_s ?

7) R_{in} ?

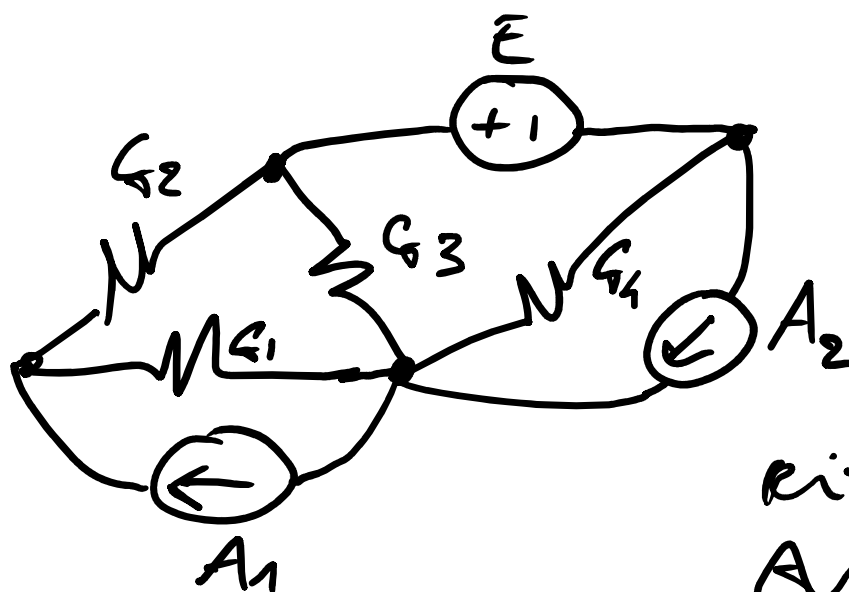
EX 5.2

HP 1) $A_{7,3,5}$ 2) $G_{1,2,4,5,7}$



risolvere con
Analisi Nodale

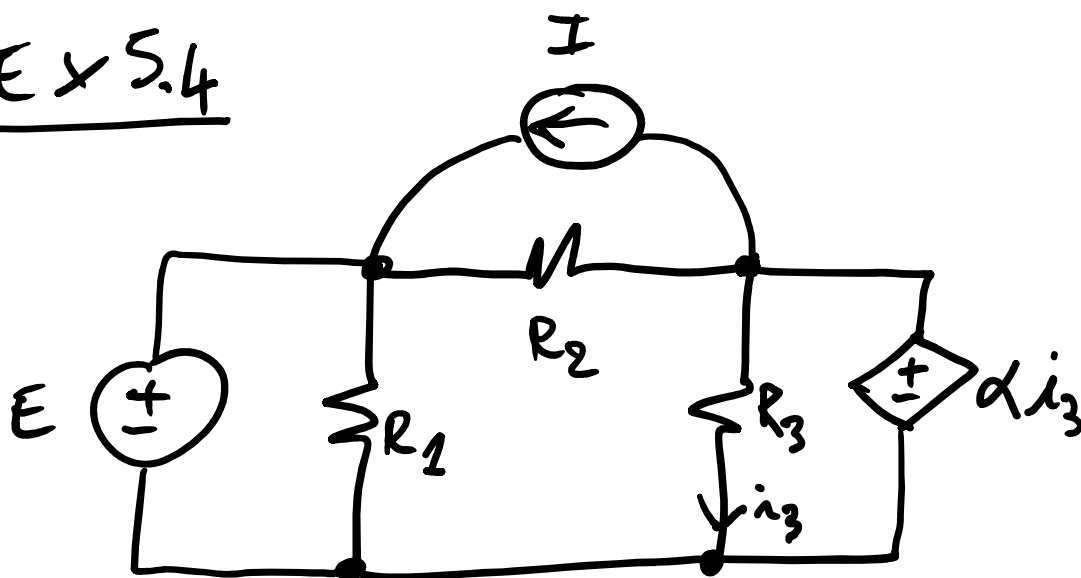
ES.3



HP
 •) A_1, A_2
 •) E
 •) G_{1-4}

Risolvere con
 Ampère Node
 Modificate (MNA)

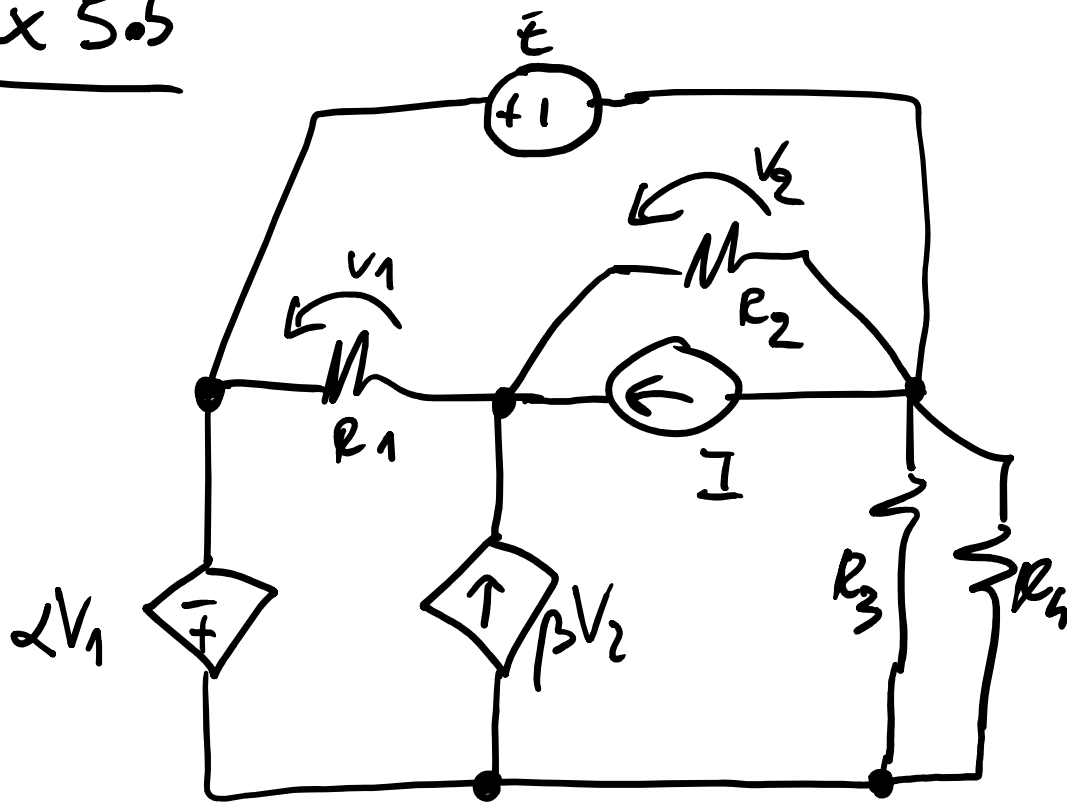
ES.4



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