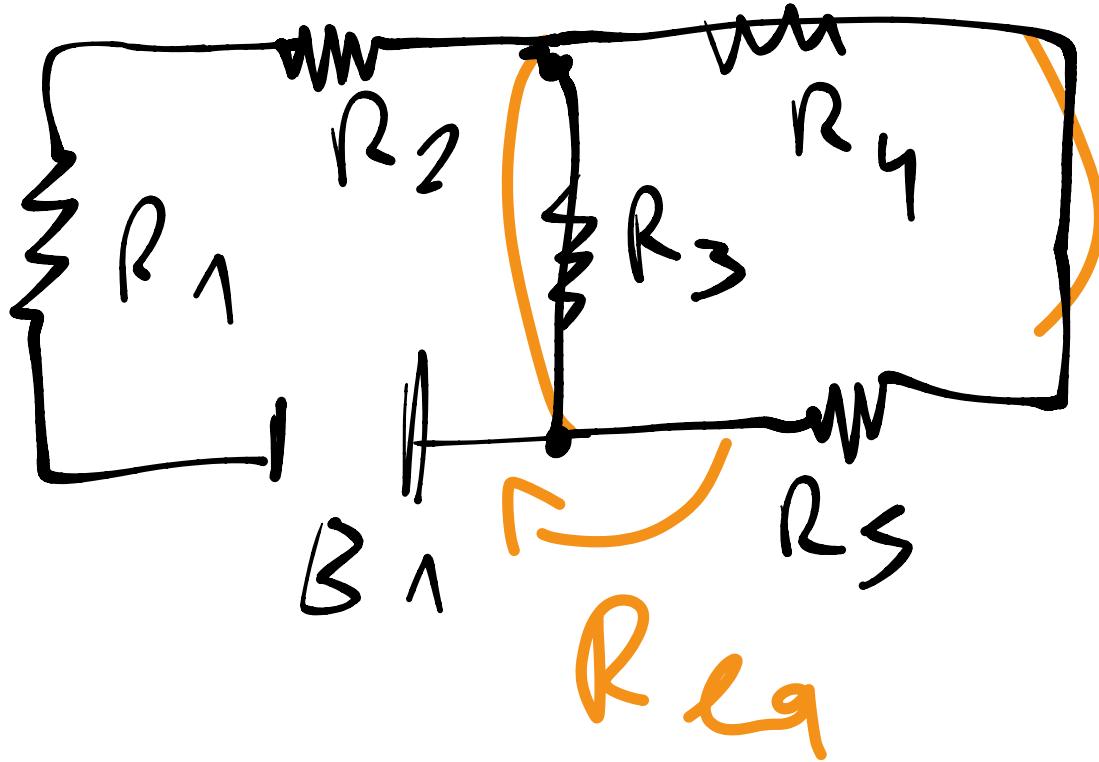
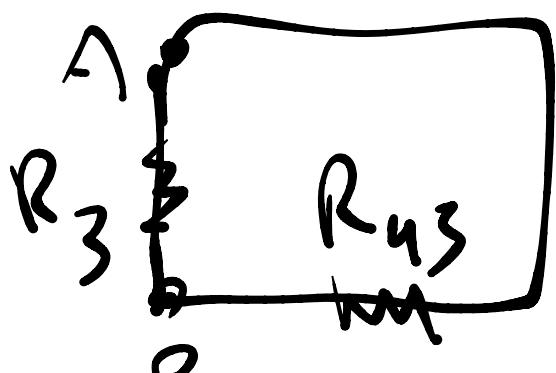


$$I_1 = I_1' + I_2''$$

Varions  $I_1$  con solo  $B_1$



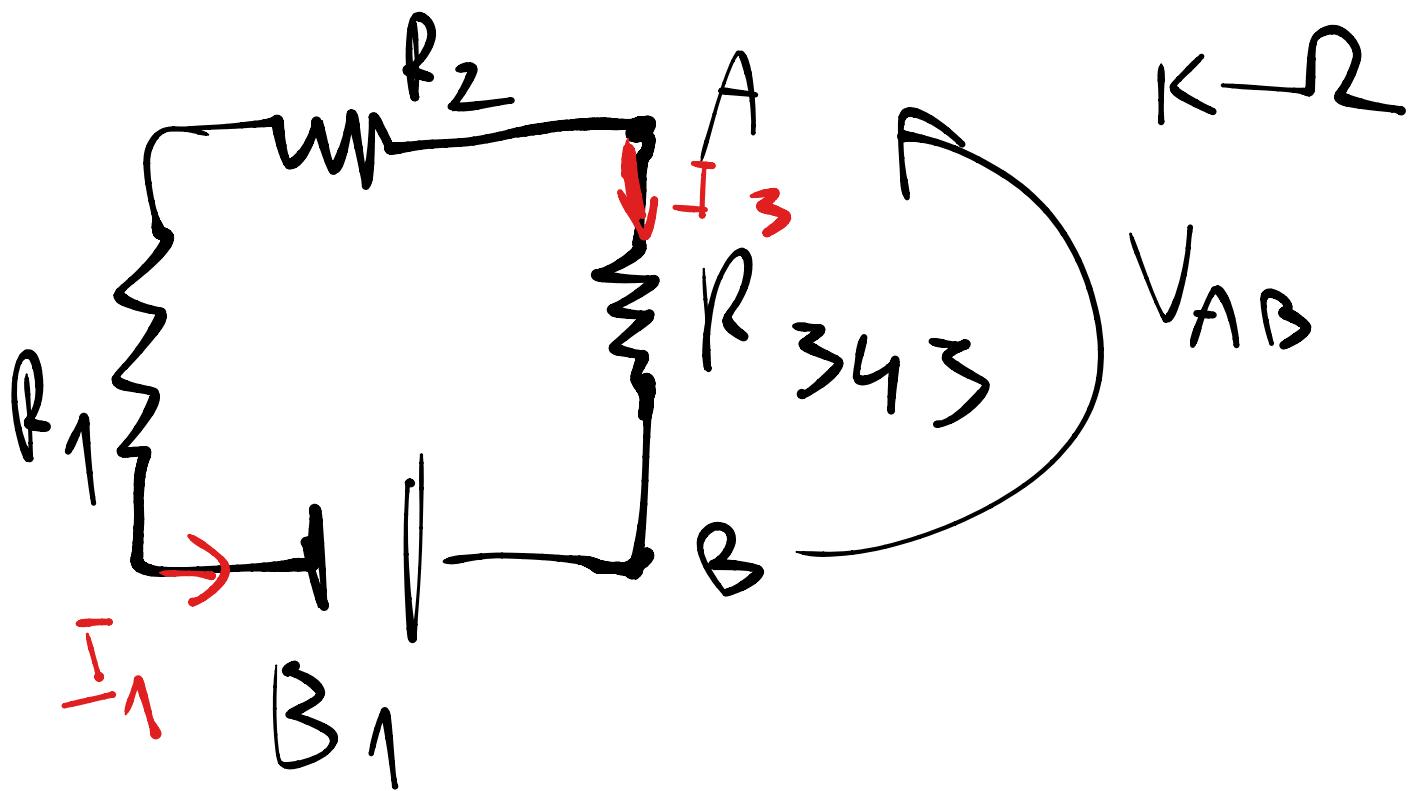
$$R_4 \parallel R_3 \rightarrow R_4 \parallel R_3 = \frac{R_4 \cdot R_3}{R_4 + R_3}$$



$$= \frac{6 \cdot 3}{6 + 3} = \frac{18}{9} = 2 \text{ k}\Omega$$

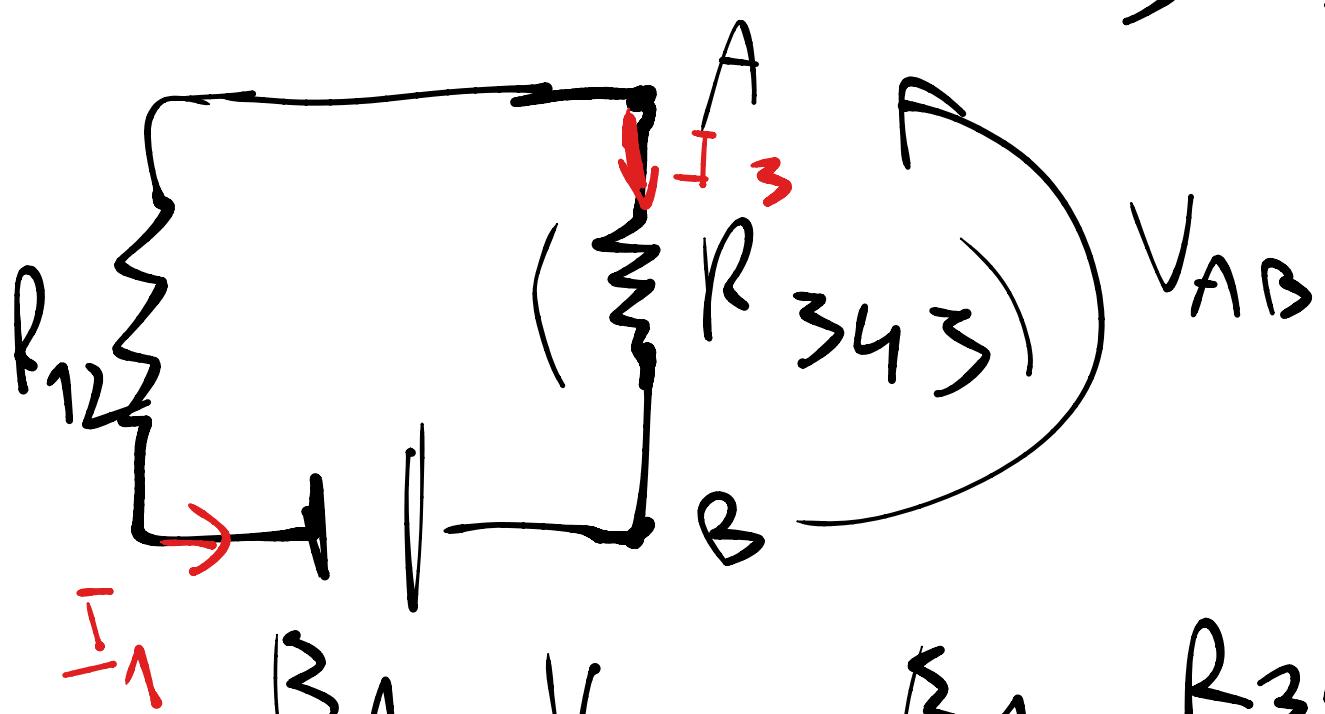
$$= 3.6 \text{ k}\Omega$$

$$R_3 + R_{343} = 5 + 3.6 = 8.6$$



$$R_1 + R_2 = 2 + 3 =$$

$$5 \text{ k}\Omega$$



$$V_{AB} = \beta_1 \cdot \frac{R_{343}}{\alpha}$$

$$= 18 \cdot \frac{8 \cdot 6}{8 \cdot 6 + 5} =$$

$R_{12} + R_{34}$

$$11.34 \text{ V}$$

$(V = R \cdot I)$  Legge oh Ohm  
generalisiert

$$\underline{V_{AB}} = \underline{\cancel{R_3}} \left( \underline{\cancel{I_3}} \right)$$

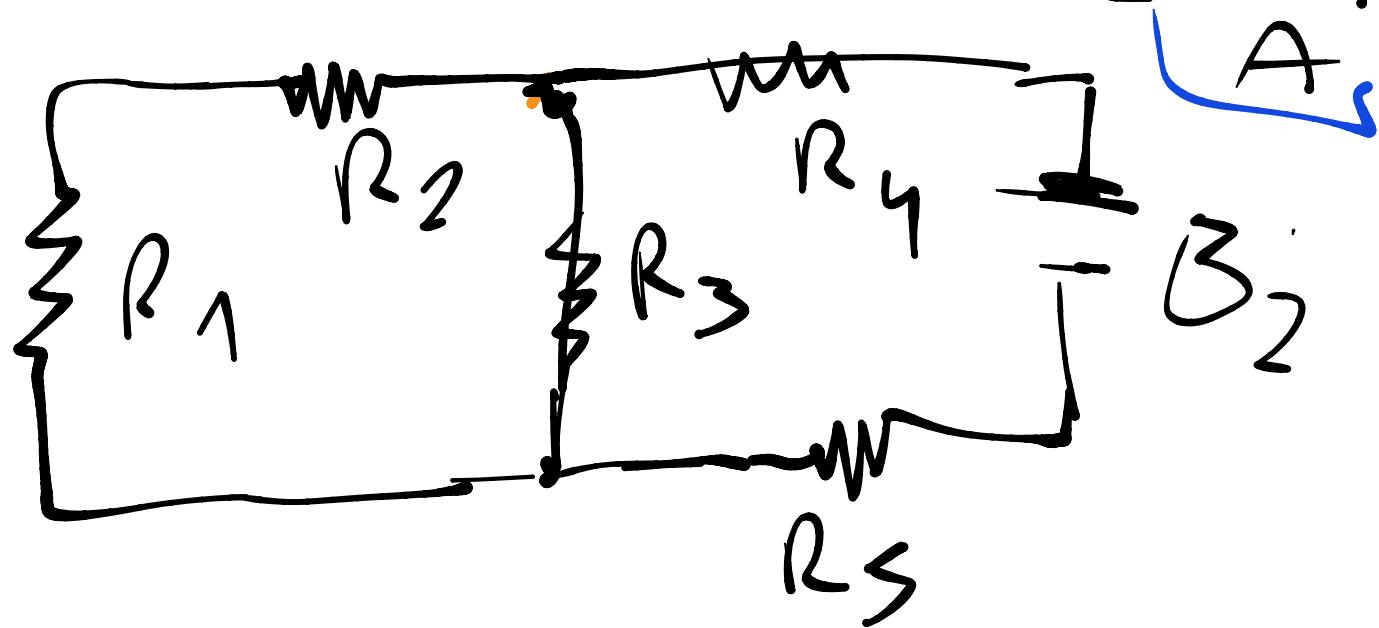
$\overbrace{\phantom{000}}$

$R_3$                        $R_3$

$$= \underline{11.34} = \boxed{2.23 \text{ A}}$$

so

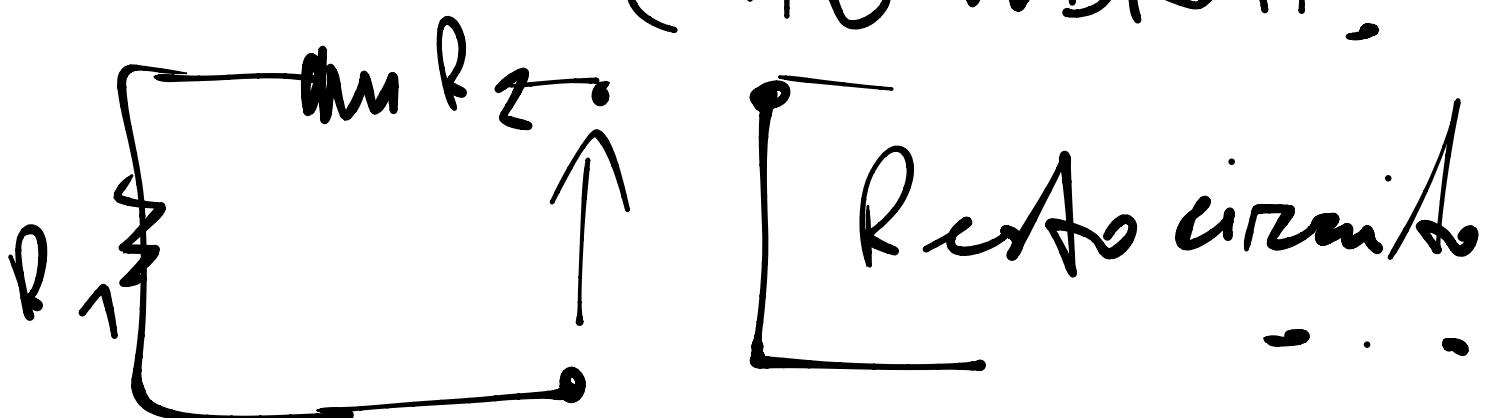
$$\underline{I_1} = \frac{\underline{V_{AB}}}{\underline{R_1}} = \frac{11.34}{25.67} =$$



(THOVENIN...)

↑ una rete

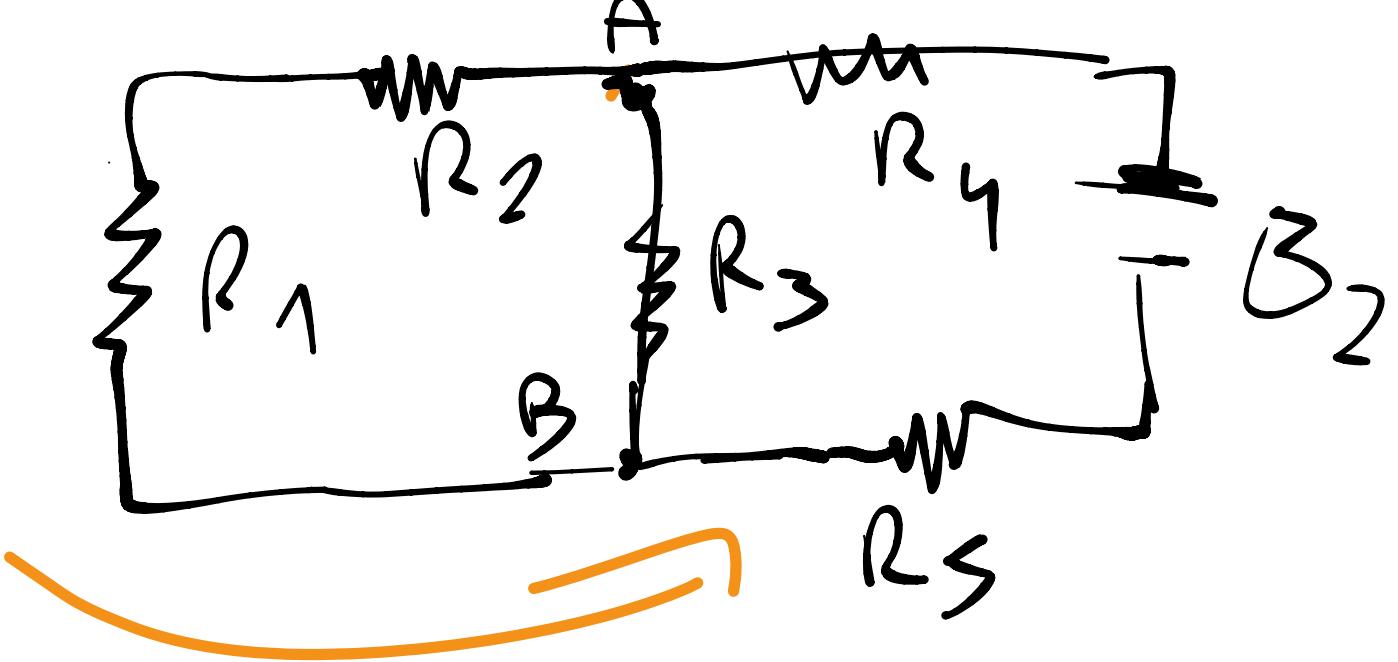
(HVS DRA!)



↑ Stacco B.

e per tensione  
e moto

(Merkel)



$$R_{eq} = R_{123}$$

$$(R_1 + R_2) \parallel R_3$$

$$R_1 + R_2 = 5$$

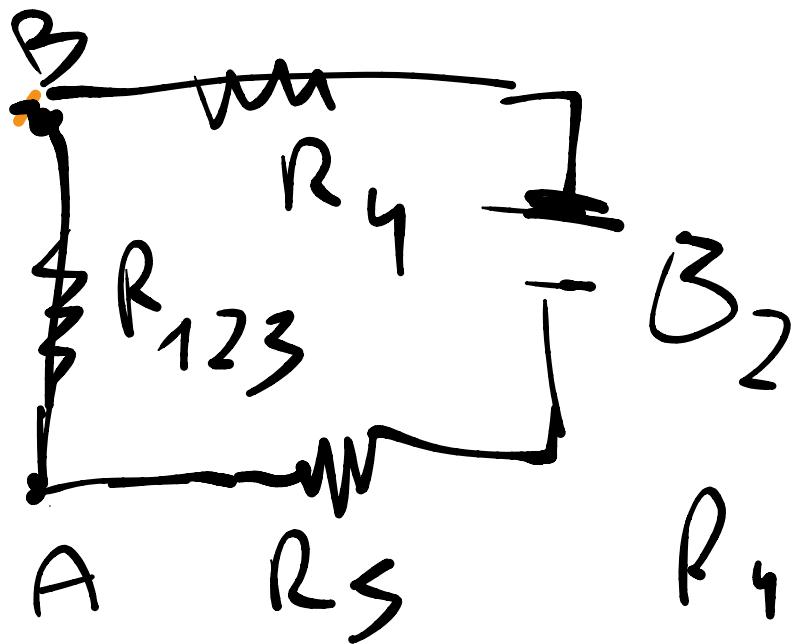
$$R_{12} \parallel R_3$$



$$R_{12\_parallel} = \frac{R_{12} \cdot R_3}{R_{12} + R_3}$$

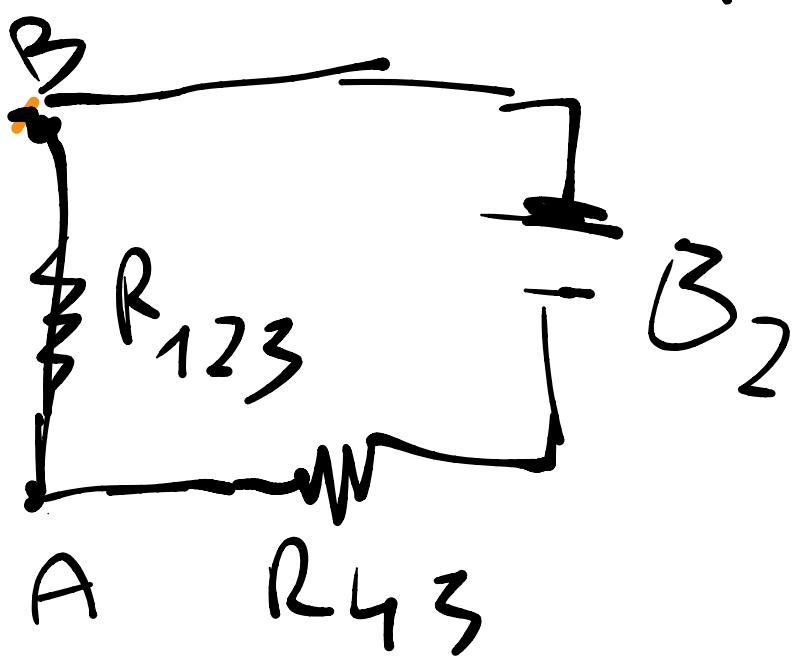
$$= \frac{5 \cdot 5}{5+3} =$$

$$\frac{25}{10} = 2.5 \text{ K}\Omega$$



$$R_4 // R_{S2}$$

$$\frac{R_4 \cdot R_S}{R_4 + R_S} = \frac{5 \cdot 5}{15}$$



$$= 3.6 \text{ K}\Omega$$

$$V_{AB} = \frac{B_2 \cdot R_{1\leftrightarrow 3}}{R_{123} + R_{43}} =$$

$$= 18 \cdot \frac{2.5}{2.5 + 3.6} =$$

$B_1 = B_2 = 18 \text{ V}$

$\checkmark 38 \text{ V}$

$(E = V)$

↓

Volt

= Quando si è  
in condizioni ideali,  
le due sono uguali!

$$I_1'' = \frac{V_{AB}}{R_1} = \frac{38}{2} =$$

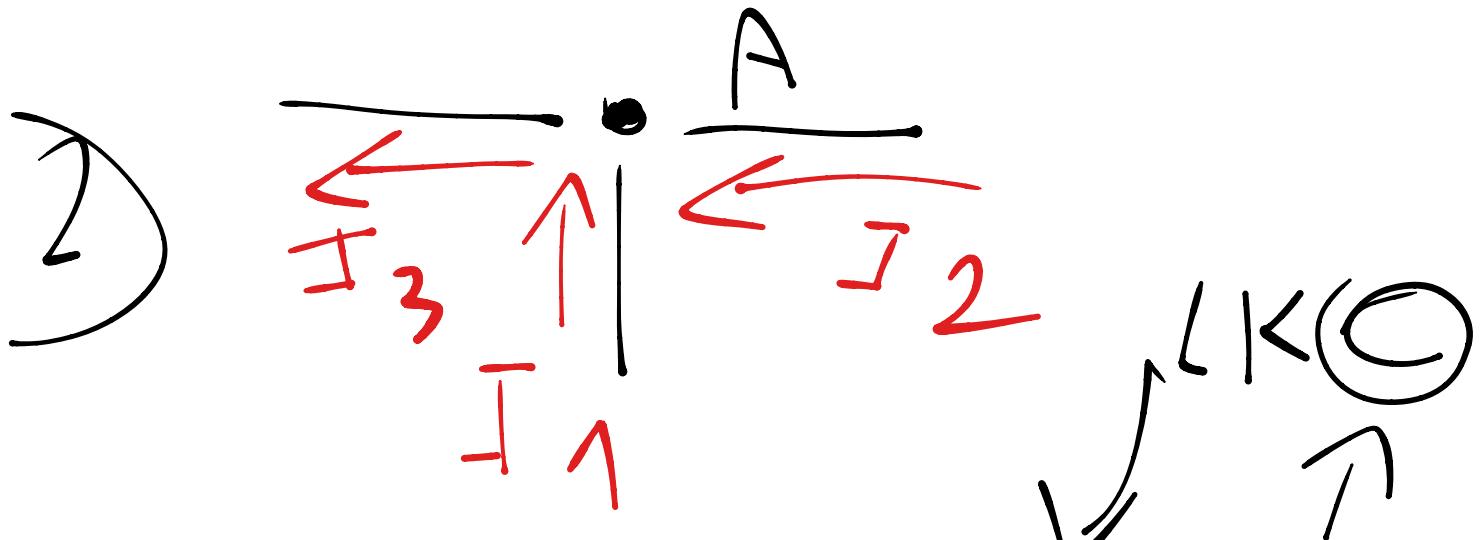
$$I_3' = \frac{V_{AB}}{R_3} = \frac{7.33}{3} = 2.44 A$$

$$1.48 A$$

$$I_1 = I_1' + I_1'' = 3.67 + 3.69 = 7.36 A$$

$$I_3 = I_3' + I_3'' = 2.23 + 1.48 = 3.71 A$$

1° PUNO A



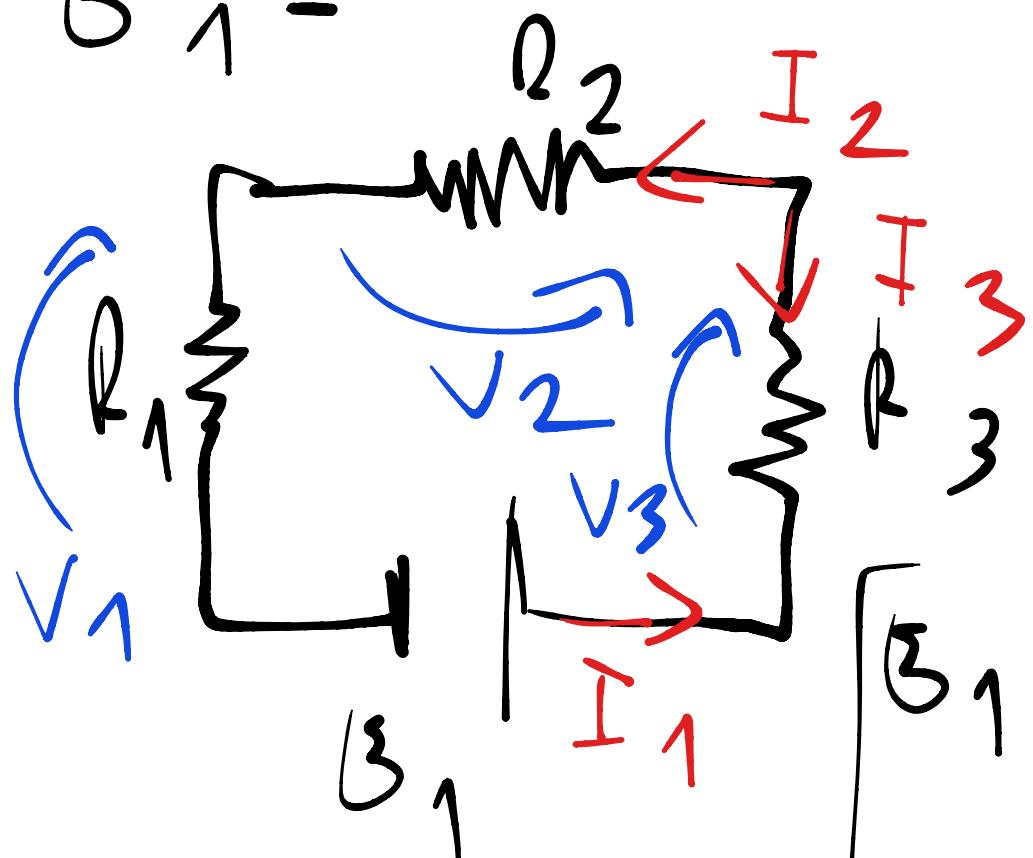
$$I_1 = I_2 + I_3 \quad (\text{node 1})$$

CORREZIONE

③

Assumo per il nodo 1  
 (mercatto) dove entra la  
 corrente)

$\Sigma I_1 -$



$$\begin{aligned} \Sigma I_1 + V_3 &= V_2 \\ -V_1 &\approx 0 \end{aligned}$$

$2^o \rightarrow \langle LKT \rangle$

(TENSIONI /  
MAGLIB)

---

DEF. MARKHS

MASO → Punti di  
regimazione  
tre fili  
caratteri

LMO → Punti di maglie  
compresso fra  
due nodi

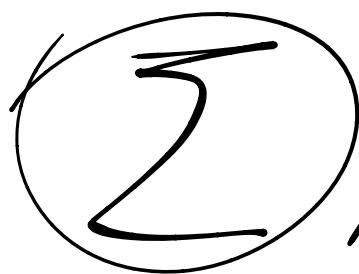
MAGUA → Percorso chiuso  
delimitato da nodi

---

$$1^o K \rightarrow \sum_{i=1}^n k_i$$

$k$   $\Rightarrow$  Corrente

$Q \rightarrow$  Cargamento



$\curvearrowleft$  Serie /  
Somatorio,

$\sum_{i=1}^n \text{err}[i] \rightarrow \text{for } (i=0 \cdot i \leq n)$   
 $i++$   
 $\text{err}[i]++$ ,

Sens Logico gli  
me Serie

for = calcolo complessità  
(n. operazioni)

2° PR.  $\rightarrow K$

$$\sum_K V_K \circ \sum_K R_{K \wedge K}$$

↑ INDICE

---

Sovr. 23 64 SPSTM

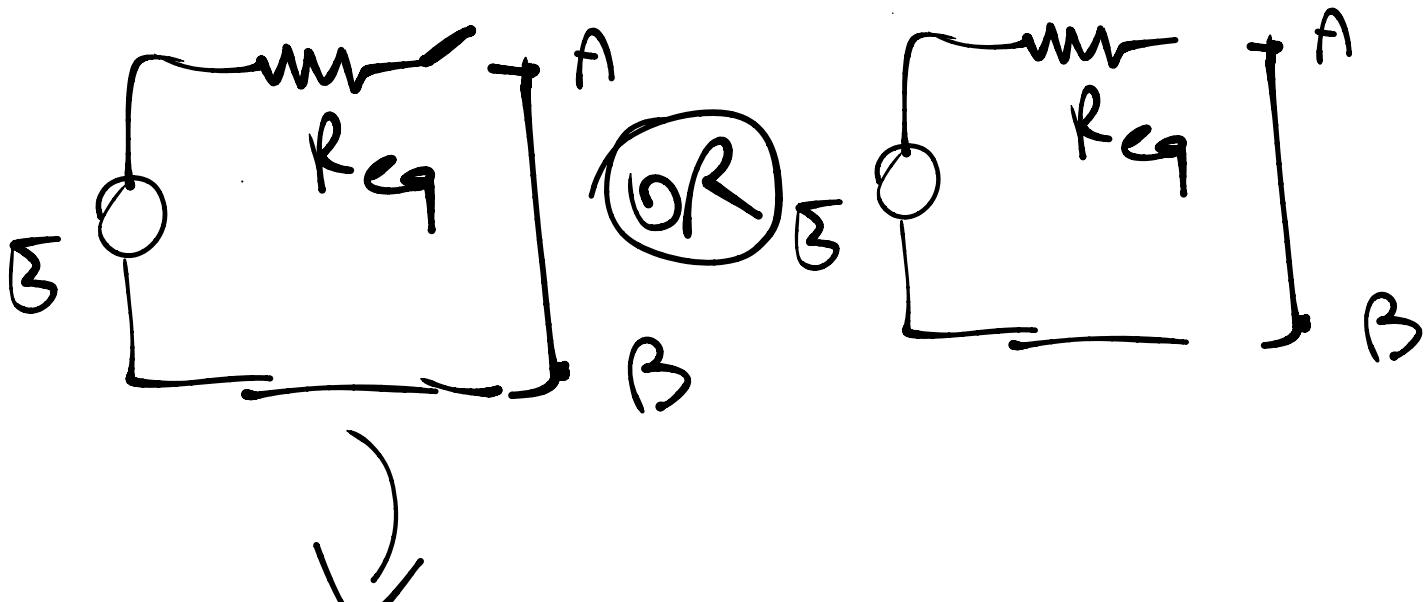
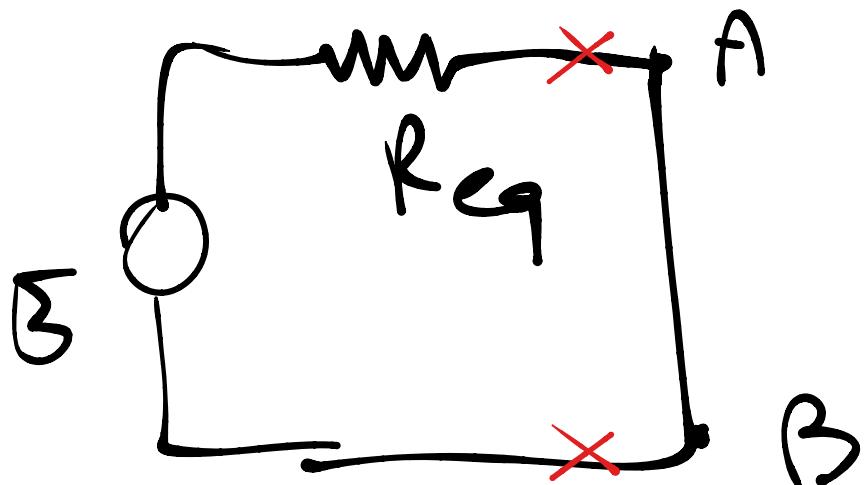
—

Output di una rete  
è ottenuto sommando  
algebricamente tutti  
gli input delle reti

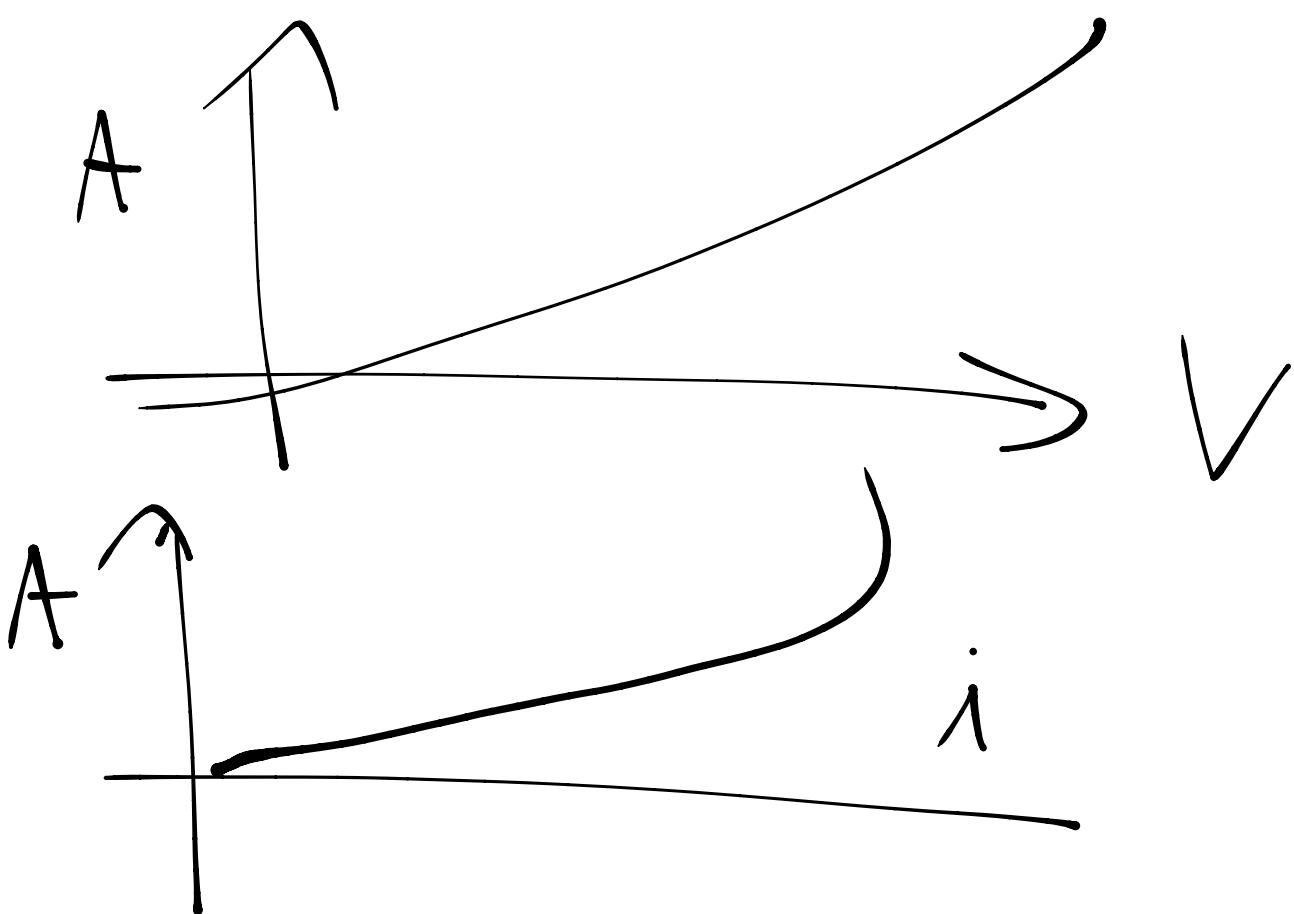
considerando l'effetto dei  
singoli generatori

---

- OR ROC'RCV IT
  - QUANT DIVISOR SI  
VALOR' D' CORRISS
- 



$R = \emptyset$      $V = \text{IMR} \cdot MTA!$



IP GAN / RGAUS

f. e. m.  $\geq \Delta V$   $\Rightarrow$   $\Delta V = \text{IRF}$ .

(generator)

$V_1 - V_2 - V_3 = \emptyset$

GI PASSA GREENS  
DEMONSTRATION

$$(\Sigma \geq V_1 - V_2 - V_3 \dots)$$

QUANTO CONSIDERARE  
IN UN CIRCUITO?

$$0 < \dots < m-1$$

(m)  $\rightarrow$  m. di maglie

