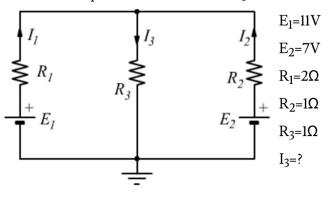
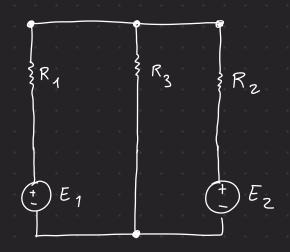
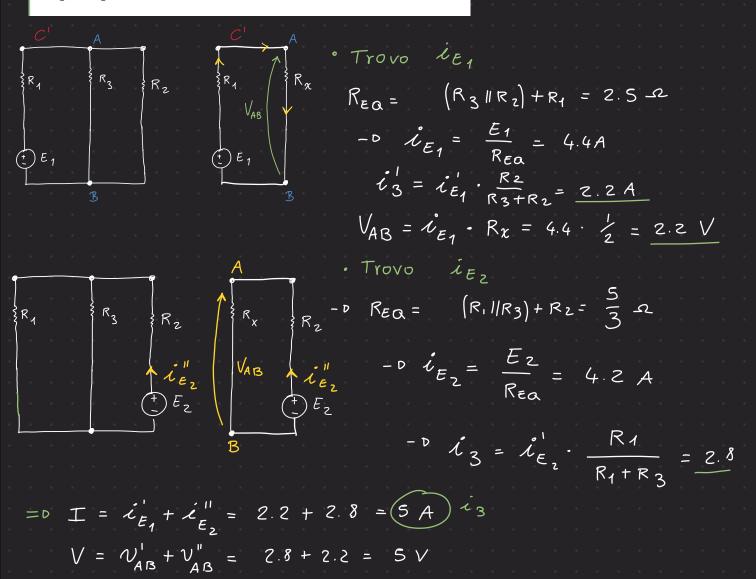
Utilizzando il p.s.e.trovare la corrente I₃

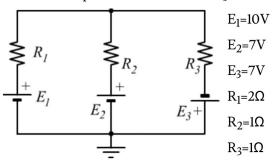


 $[I_3=5A]$



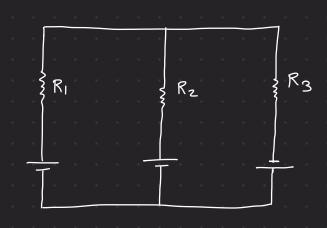


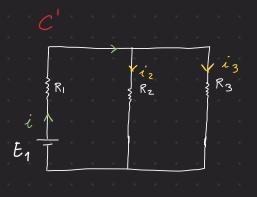
Utilizzando il p.s.e.trovare la corrente I₃



13=:

$$[I_3=9A]$$



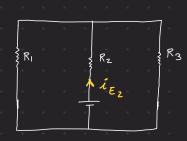


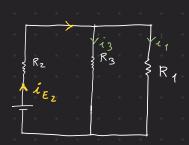
• Trovo
$$i_{E_1}$$
 - 0 $Req = (R_2 || R_3) + R_1$

$$= \frac{5}{2} = 2.5 \cdot 2$$

$$-0 \quad i_{E_1} = \frac{E_1}{R_{Eq}} = 4 A$$

$$i_3 = i \cdot \frac{R_2}{R_2 + R_3} = 2 A$$





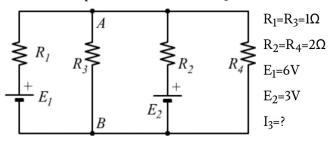
$$i_{E_z} = \frac{E_z}{R_{EQ}} = 4.2 A$$

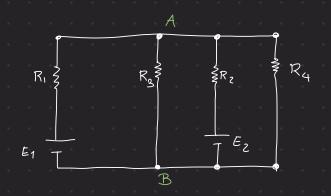
$$-D i_3^{\parallel} = i_{E_z} \frac{R_1}{R_3 + R_1} = 2.8 A$$

$$\mathcal{L}_{E_3}^{\parallel} = \frac{E_3}{R_{EQ}} = 4.2 A$$

$$= D I_3 = i_3' + i_3'' + i_3''' = 4.2 + 2.8 + 2 = 9A Ans$$

Utilizzando il p.s.e.trovare la corrente I3





 $[I_3=2,5A]$

$$\begin{array}{c|c}
C & A & C_2 \\
\hline
i_3 & & C_4 \\
\hline
R_1 & & R_2 & & R_4 \\
\hline
i & & & & & \\
E_1 & & & & & \\
\hline
B & & & & & \\
\end{array}$$

$$R_{\chi} = R_{2} || R_{4} = 1 \Omega - 0 i_{3} = i_{E} \cdot \frac{R_{\chi}}{R_{3} + R_{\chi}}$$

$$-0 i_{3} = \frac{E_{1}}{[(R_{2} || R_{4}) || R_{3}] + R_{1}} \cdot \frac{1}{2} = 2 A$$

$$R_1 \neq i_1$$
 $R_3 \neq i_3 \neq R_2$
 $R_4 \neq i_3 \neq i_4$
 $R_4 \neq i_5 \neq i_6$
 $R_5 \neq i_6 \neq i_6$
 $R_6 \neq i_6 \neq i_6$
 $R_7 \neq i_6 \neq i_6$
 $R_8 \neq i_8 \neq i_8$
 $R_8 \neq i_8 \neq i_8$
 $R_8 \neq i_8 \neq i_8$

$$i_{E_2}'' = \frac{E_2}{R_{Eq}} \quad Con$$

$$= 1.25 A$$

$$= 0 \quad R_{\chi} = R_1 || R_3 = \frac{1}{2} a$$

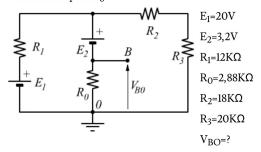
$$-0 \quad i_n = i_E \cdot \frac{R_4}{R_x + R_4}$$

$$= 1A$$

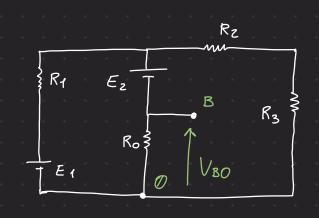
$$=0 \quad i_3 = i_n \cdot \frac{R_1}{R_1 + R_3} = \left(\frac{1}{2}A\right)$$

=D
$$i_3 = i_3 + i_3'' = i_2 + 2 = 2.5 A$$
 Ans

Utilizzando il principio di sovrapposizione degli effetti, determinare il valore della caduta di tensione ai capi di ${\rm R}_{\rm 0}$



 $\left[Risp.:V_{BO}=2,88~V~\right]$



$$V_{A0} = V_1 \cdot \frac{R \times}{R_X + R_1} =$$

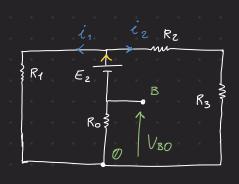
$$20V \cdot \frac{2.67 \times 10^{3}}{(2.67 + 12) \times 10^{3}} =$$

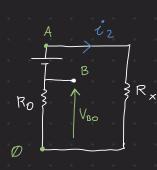
=D Circuito eq

$$R_{x} = (R_{2} + R_{3}) || R_{0}$$

 $= 2677.1 \Delta$
 $= 2.67 K.S.$

$$\frac{2.67 \times 10^{3}}{2.67 + 12) \times 10^{5}} = 3.64 \text{ V}$$





$$-D \left(\sqrt{80} \right) = R_0 \cdot \ell_2 = 0.968 V = -V_0''$$

$$R_{x} = (R_{2} + R_{3})IR_{1}$$

$$= 9.12 \Omega$$

$$L_{E_{2}}^{I'} = \frac{E_{2}}{Req} = \frac{E_{2}}{R_{x} + R_{0}} = 0.2674$$

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