



- ⇒ Deleymine:
 - it the reading on ammeren
 - ii) The value of Mesiston (R)

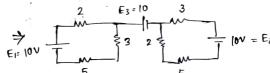
Soir
$$11.5 = i_1 + 3 + i_3$$

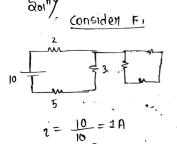
$$V = 3x5 = 15V$$

$$i_1 = \frac{15}{6} = 2.5 \text{ A} \cdot \text{ (Reading)}$$

6R

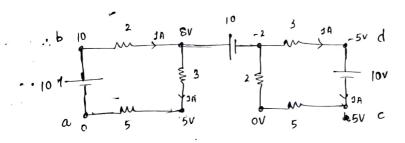
$$R' = \frac{V}{i_3} = \frac{16}{6} = \frac{5}{2} = 2.5 \Omega$$



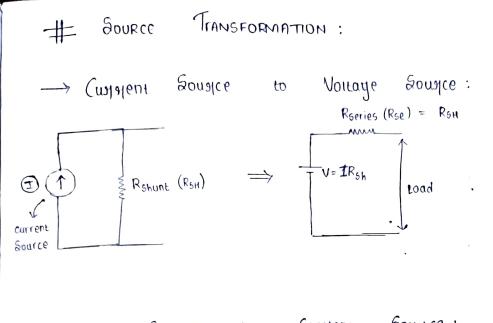


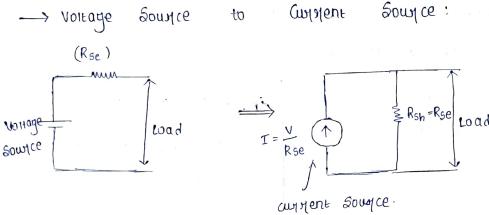
Consider
$$E_2$$

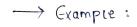
$$2 = \frac{10}{10} = 14A$$

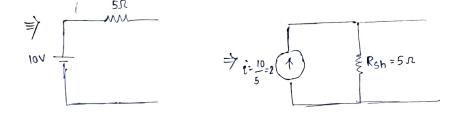


$$V_{bc} = V_b - V_c = 10 - 5 = 5V$$



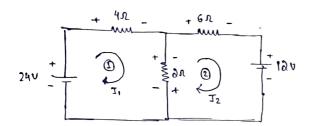






$$\Rightarrow \qquad \qquad \Rightarrow \qquad \qquad \Rightarrow \qquad \qquad \Rightarrow \qquad \qquad \Rightarrow \qquad \qquad \\ \begin{matrix} R_{Se} = 10R \\ \hline \\ V = 2R_{Sh} = 200 V \end{matrix}$$

=> Determine the cutylent through various gesistors using the concept of mesh cualalent method?



zou, yimane take qui, of roob same.

then take sign or resistors, according to dir of i

$$8I_2 = -12$$

$$I_2 = \frac{-3}{2} = -1.5 \text{ A}$$

(wyong method).

$$\frac{1}{2}$$
 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

$$\Rightarrow -4 = \frac{22}{3} I_2$$

$$\Rightarrow I_2 = \frac{-12}{22} = \frac{-6}{11} A$$

$$J_1 = 4J_1 + 6$$

$$= -\frac{24}{11} + 6 = \frac{42}{11} A$$