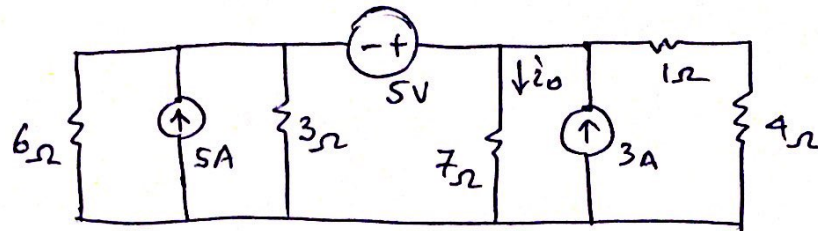
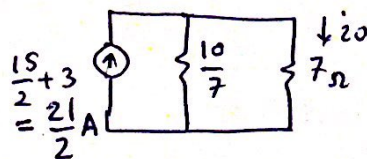
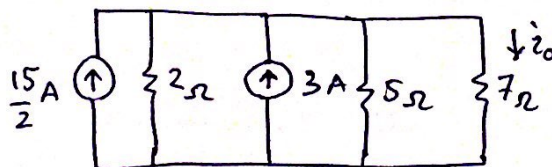
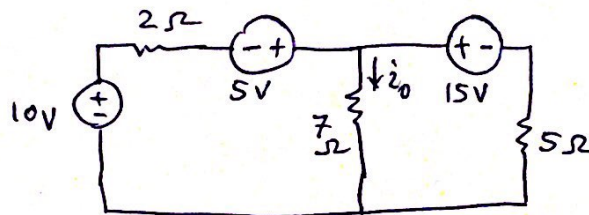
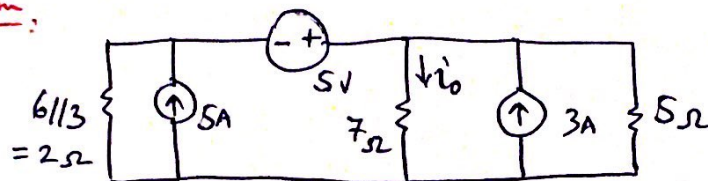


Example: Source Transformation

Using source transformation, reduce the circuit to a single current source and then determine i_o .



Solution:



$$\text{So } i_o = \left(\frac{\frac{10}{7}}{7 + \frac{10}{7}} \right) \frac{21}{2} = \frac{10}{59} \times \frac{21}{2} = \frac{105}{59} \quad \text{--- (CDR)}$$

$$i_o = 1.78 \text{ A}$$