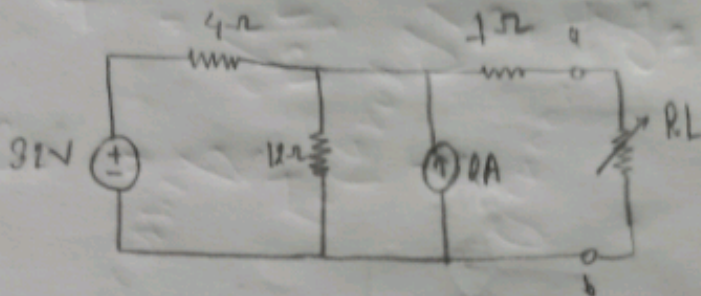
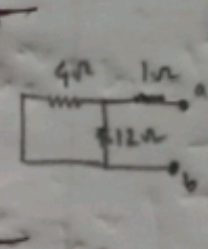


## Lecture - 7

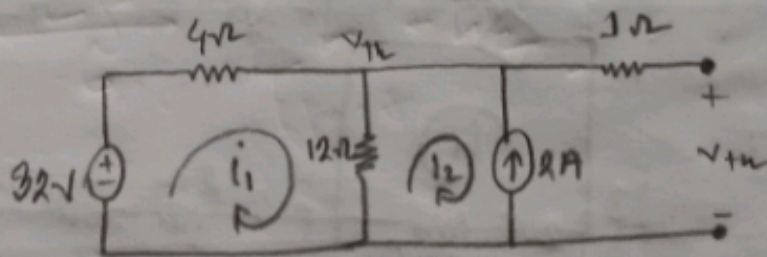
### ① Thvenin Theorem :-



Current source is open  $\infty$ , voltage source is closed  $0$ .

$$\therefore R_{th} = 4 \parallel 12 + 1 = 3 + 1 = 4 \Omega$$


$\therefore V_{th} =$



$$\therefore -32 + 4i_1 + 12(i_1 - i_2) = 0 \quad \text{--- (I) and } i_2 = -2 \quad \text{--- (II)}$$

$\therefore$  ~~we get from (I) and (II)~~ we get from (I) and (II)  $\rightarrow i_2 = 0.5$