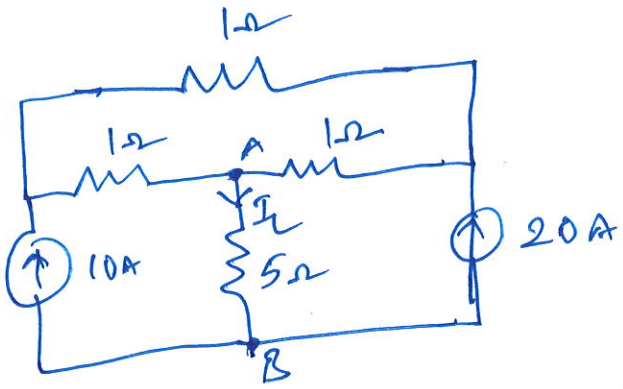
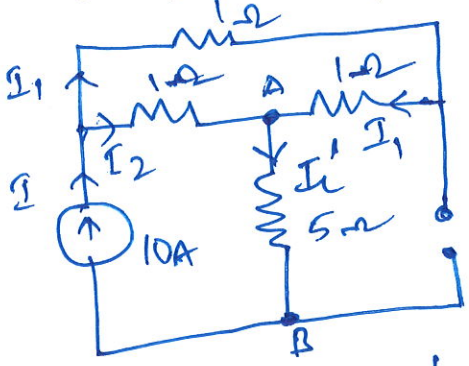


current through $R_L = 5\Omega$

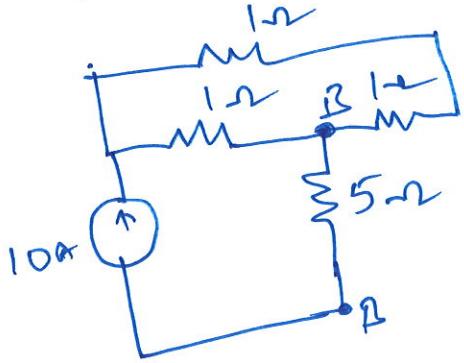
To find response I_L' due to 10A Source



$I_L' = I_1 + I_2 \qquad I = I_1 + I_2$

$\therefore I_L' = I = 10A$

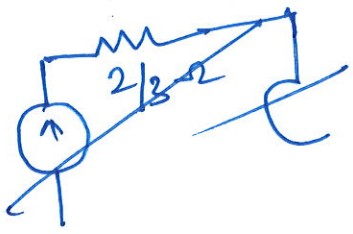
Alternatively,



$1\Omega + 1\Omega = 2\Omega$

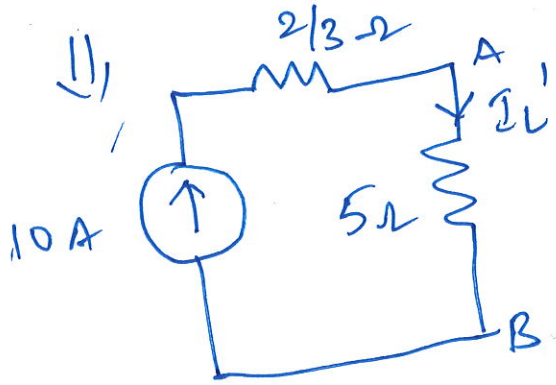
$1\Omega \,||\, 2\Omega = 2/3\,\Omega$

$\Rightarrow$

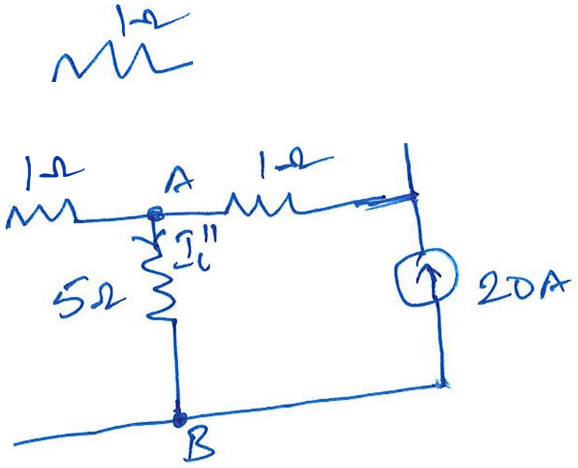


$I_L' = 10A$

(or)



To find responce I_L'' due to 20A Source



$I_L'' = 20\ A$

$I_L = I_L' + I_L'' = 10 + 20 = 30A$

$V_L = I_L \cdot R_L = 30 \cdot 5 = 150\ V$