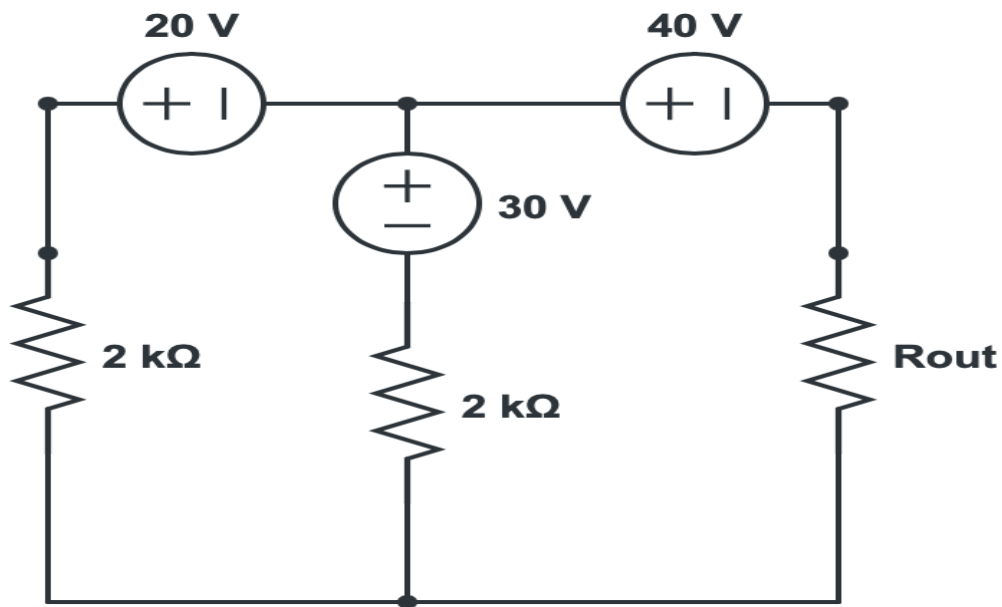


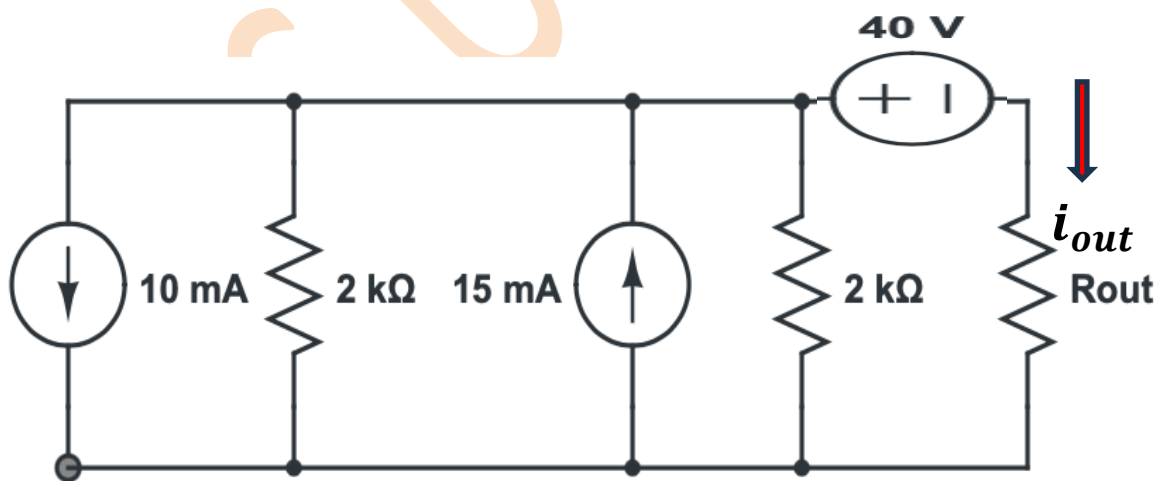
Unit I: Assessment: Q & A (Selected)

Lecture 3

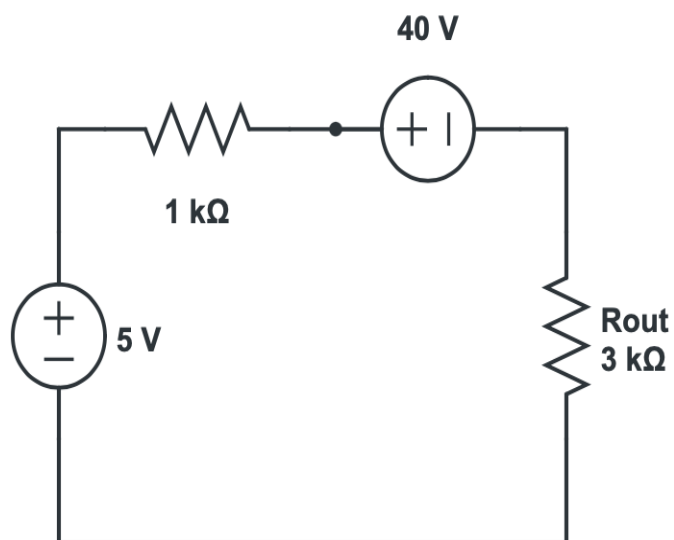
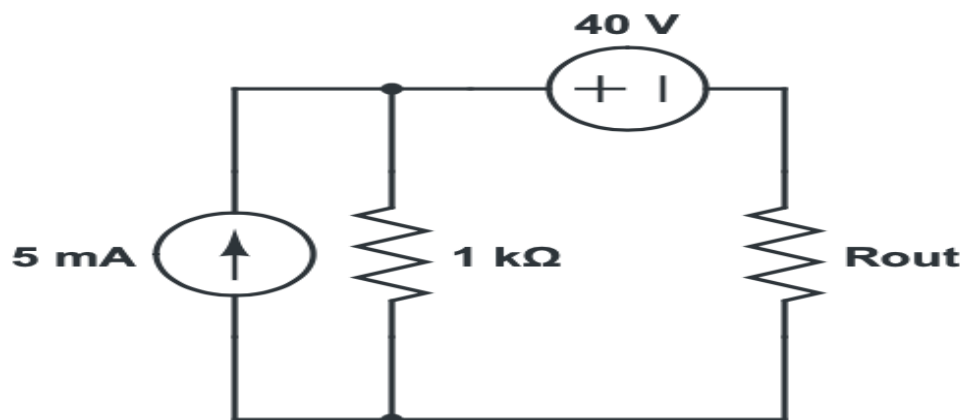
2. Find the current i_{out} when $R_{out} = 3\text{ k}\Omega$ using source transformation.



SOLUTION:



Unit I: Assessment: Q & A (Selected)



Apply KVL

$$5 - 1000 * i_{out} - 40 - 3000 * i_L = 0$$

$$4000i_{out} = -35$$

$$i_{out} = -0.00875 \text{ A or } -8.75 \text{ mA}$$