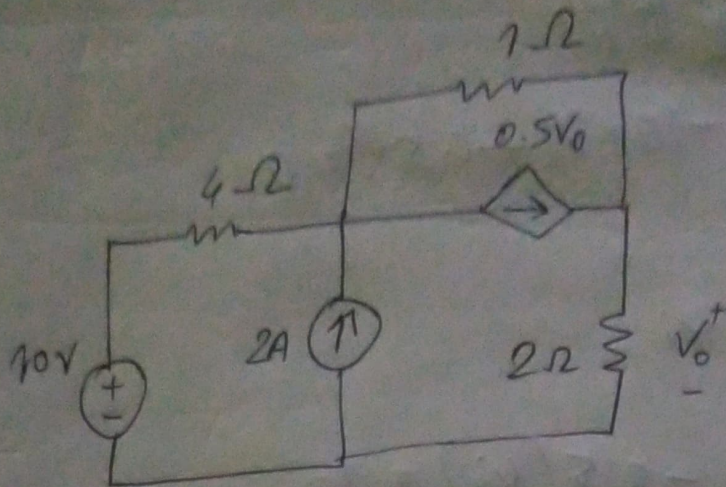
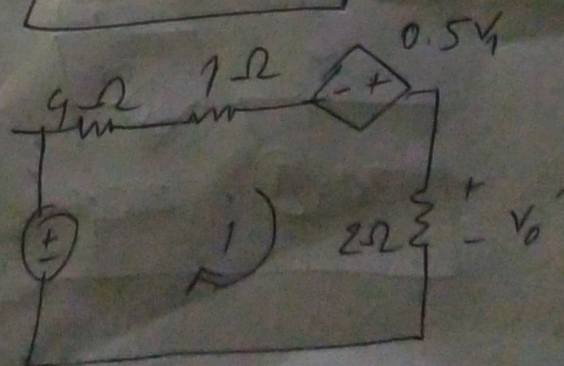
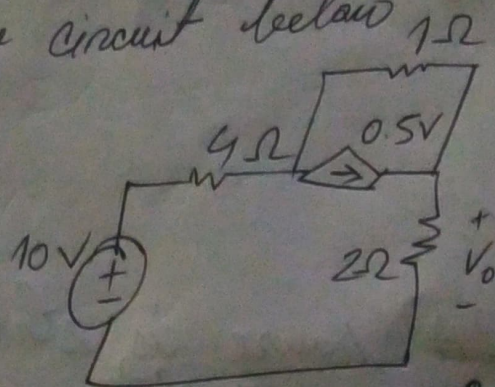


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GD 2019-3-60-137



Let $V_0 = V_1 + V_2$ where V_1 and V_2 are due to 10V and 2A sources respectively, we use the circuit below



applying KVL,

$$-10 + 7i - 0.5V_o' = 0$$

$$V_o' = 4i$$

$$7i - 0.5(4i) = 10$$

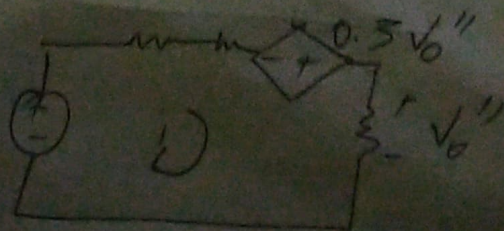
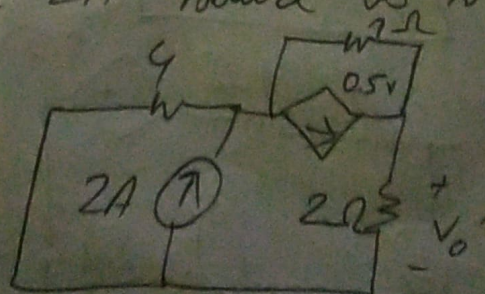
$$\Rightarrow 7i - 2i = 10$$

$$\Rightarrow 5i = 10$$

$$i = 2$$

$$V_o' = 8V$$

when 2A source is still active



applying KVL,

$$-4 + 2i - 0.5V_0'' = 0$$

$$\Rightarrow 2i - (0.5 \times 4i) = 4$$

$$\Rightarrow 7i - 2i = 4$$

$$\Rightarrow 5i = 4$$

$$\therefore i = 0.8A$$

$$V_0 = 0.8 \times 4 = 3.2V$$

$$V_0'' = 4i$$

$$V_0 = V_0' + V_0'' = 8 + 3.2 = 11.2V$$