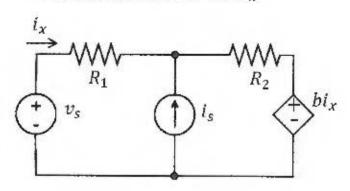
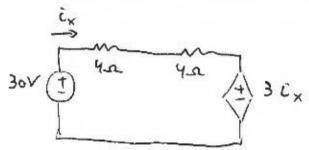
Use superposition to find ℓ_x .



$$R1 = 4 \text{ ohm}$$

$$R2 = 4 \text{ ohm}$$

$$b = 3 V/A$$



$$KVL: 30 = C_{X} \cdot 4 + C_{X} \cdot 4 + 3C_{X}$$

$$C_{X} = 30 \quad A$$

model:
$$\frac{\sqrt{1}}{4} - 2 + \frac{\sqrt{1} - 3 \cdot 2x}{4} = 0$$

$$\frac{\sqrt{1}}{4} - 8 + \frac{\sqrt{1}}{4} \cdot \frac{3(-\sqrt{1})}{4} = 0$$

$$\frac{11}{4} \cdot \sqrt{1} = 32$$

$$\frac{\sqrt{1}}{4} = 32 \implies c_{x} = -\frac{8}{11} A$$

$$\hat{C}_{X} = \frac{30}{11} - \frac{8}{11} = \frac{22}{11} A$$

$$\Rightarrow \left[c_{x} = 2A \right]$$