

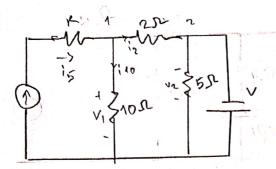
$$\frac{11}{V_{1}} - \frac{1}{4} V_{2} - 5 V_{x} = 80$$

$$V_{2} = \frac{3}{2} V_{1} - 80 = \frac{3}{2} V_{1} - 160$$

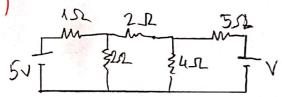
$$V_{3} = \frac{3}{2} V_{1} - 80 = \frac{3}{2} V_{1} - 160$$

$$3\sqrt{2}-V_{1}+15=0=>3V_{2}-V_{1}=-15$$

$$\frac{9V_4}{2} - 240 - 4 = -15 = 7 + 1 = 225 = 7 = 225$$



$$\sum v = 0 \Rightarrow 20 - 8 + V = 0 \Rightarrow v = -12 V$$



$$-3\widehat{I}_{2}-4\overline{I}_{2}+4\widehat{I}_{3}-2(\widehat{I}_{2}-\widehat{I}_{4})=0=)2\widehat{I}_{1}-9\widehat{I}_{2}+4\widehat{I}_{3}=0=)2\widehat{I}_{4}-9\widehat{I}_{2}=0$$

$$-9F_{2}+2F_{1}=0$$

$$-2F_{2}+3F_{1}=5$$

$$I_{1}=\frac{45}{23}$$

$$I_{2}=\frac{10}{23}$$

$$I_2 = \frac{10}{23}$$

$$V - 0.5 - 4.\frac{10}{23} = 0 = 7$$
 $V - \frac{40}{23} V$

