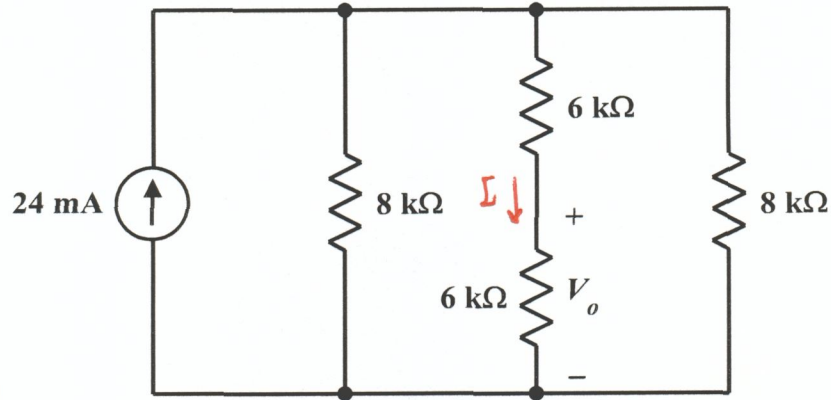


EE 2240
Problem #05

Find V_o .



$$6k\Omega + 6k\Omega = 12k\Omega$$

$$I = \frac{\frac{1}{12k\Omega}}{\frac{1}{8k\Omega} + \frac{1}{12k\Omega} + \frac{1}{8k\Omega}} \cdot 24\text{mA} = 6\text{mA}$$

$$V_o = (6k\Omega) I = 36\text{V}$$