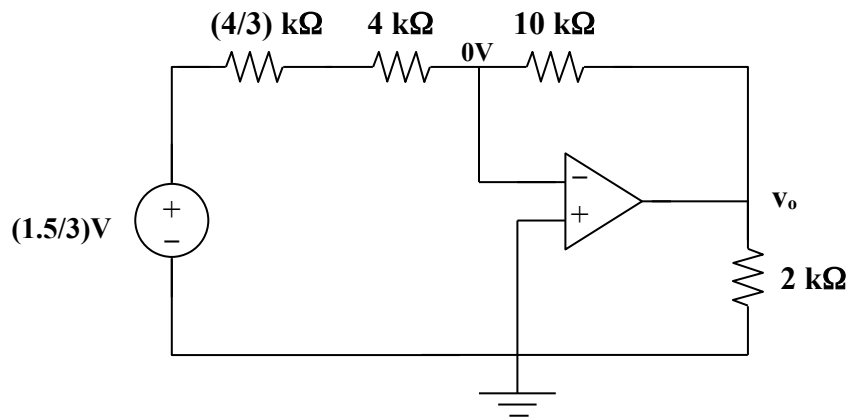


### Chapter 5, Solution 19.

We convert the current source and back to a voltage source.

$$2 \parallel 4 = \frac{4}{3}$$



$$v_o = -\frac{10\text{k}}{\left(4 + \frac{4}{3}\right)\text{k}} \left(\frac{1.5}{3}\right) = -937.5 \text{ mV}.$$

$$i_o = \frac{v_o}{2\text{k}} + \frac{v_o - 0}{10\text{k}} = -562.5 \text{ }\mu\text{A}.$$