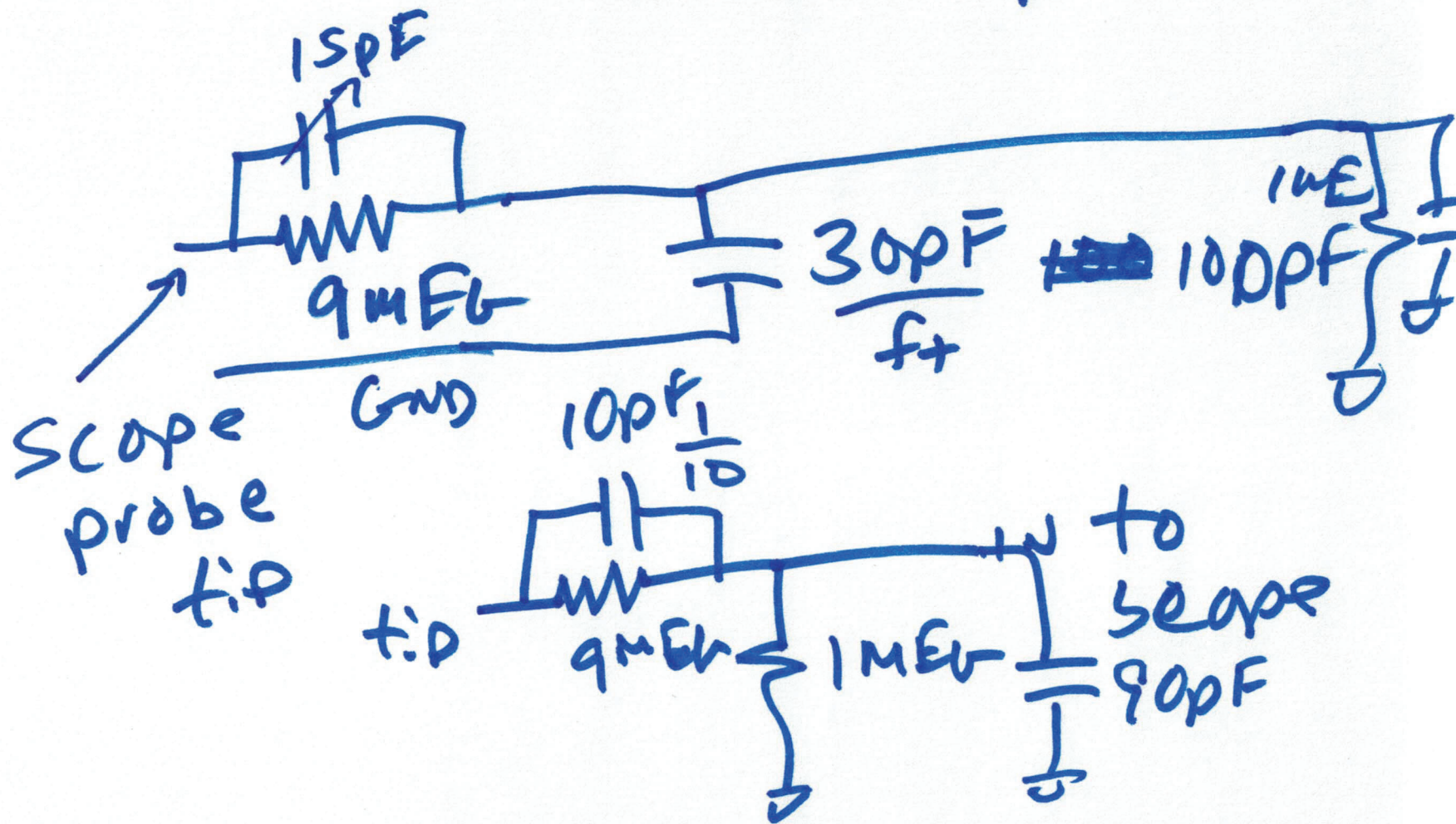
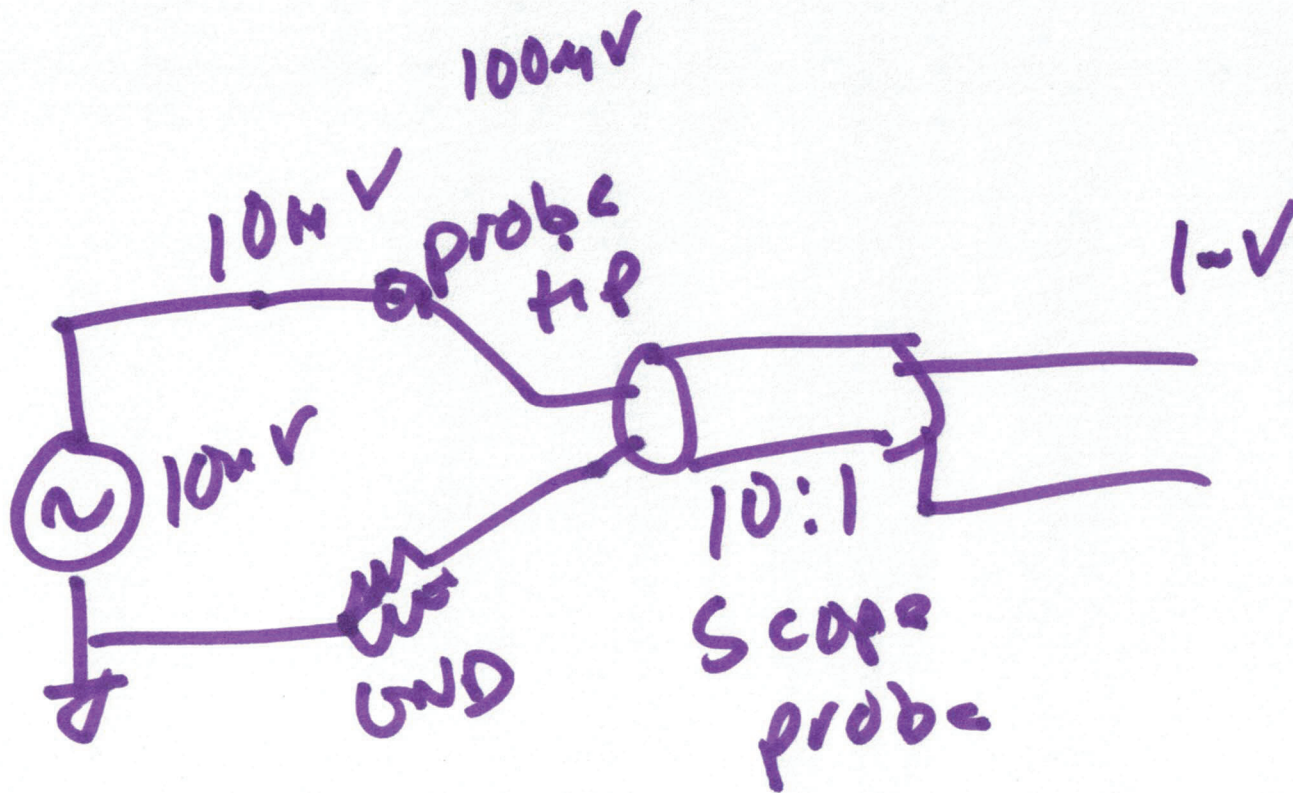
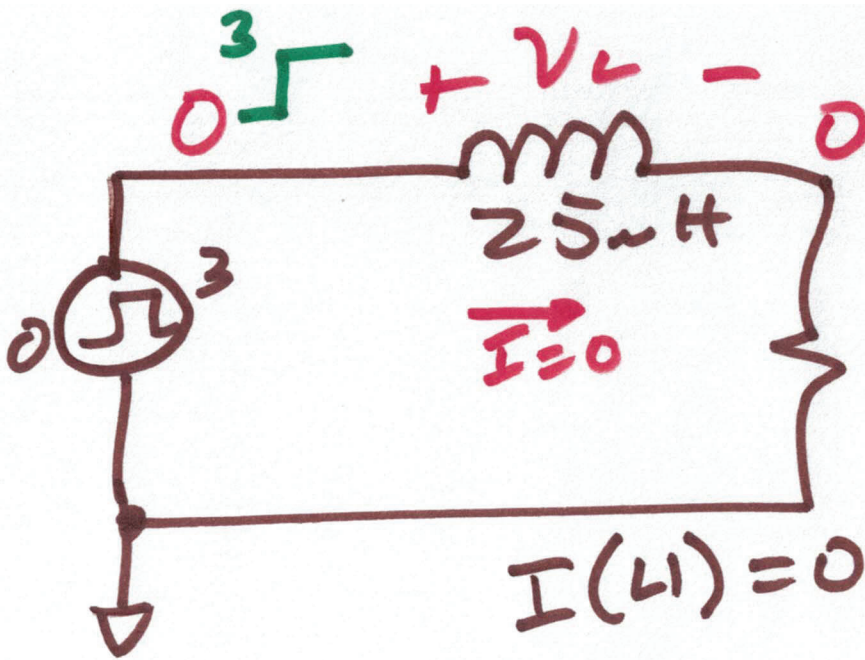


COMPENSATED SCOPE PROBE







$$v_i = 0$$

$$v_+ = 3$$

$$v_o = v_f + (v_i - v_+) e^{-t/4\mu\text{s}}$$

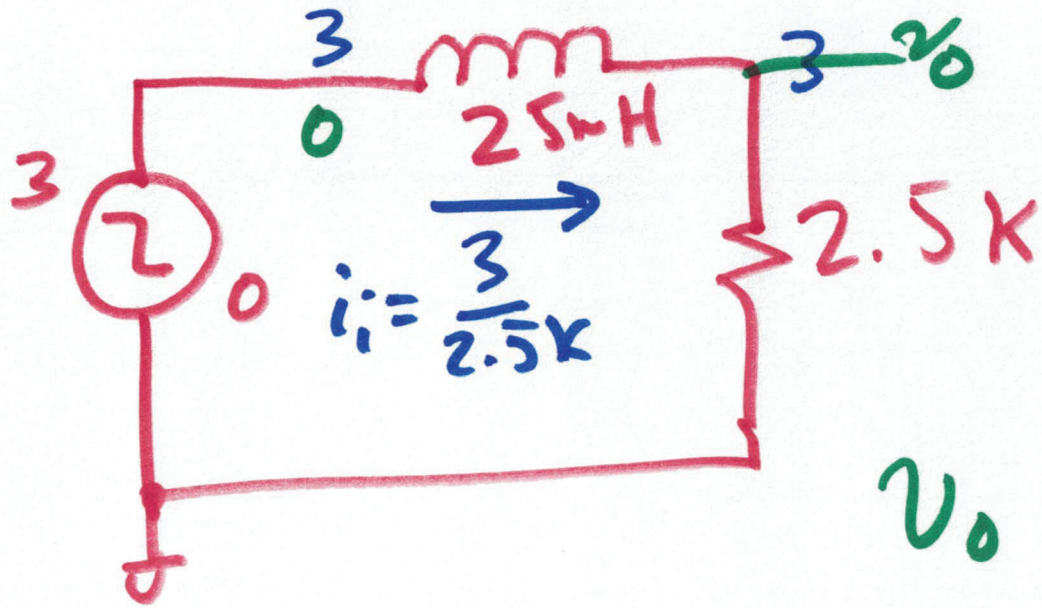
$$\frac{L}{R} = \frac{0.025}{2500} = \frac{25 \cdot 10^{-3}}{2.5 \cdot 10^3} = 10 \cdot 10^{-6} = 10 \mu\text{s}$$

$$v_o = 3(1 - e^{-t/10\mu\text{s}})$$

$$v_L = (3 - v_o) = 3e^{-t/10\mu\text{s}}$$

$$i_i = 0$$

$$i_f = \frac{3}{2.5 \text{ k}}$$



$$v_i = 3V$$

$$v_f = 0$$

$$-t/10\mu$$

$$v_o = 3e$$

$$-t/10\mu$$

$$v_L = 0 - v_o = -3e$$

$$i_i = \frac{3}{2.5K} \quad i_f = 0$$