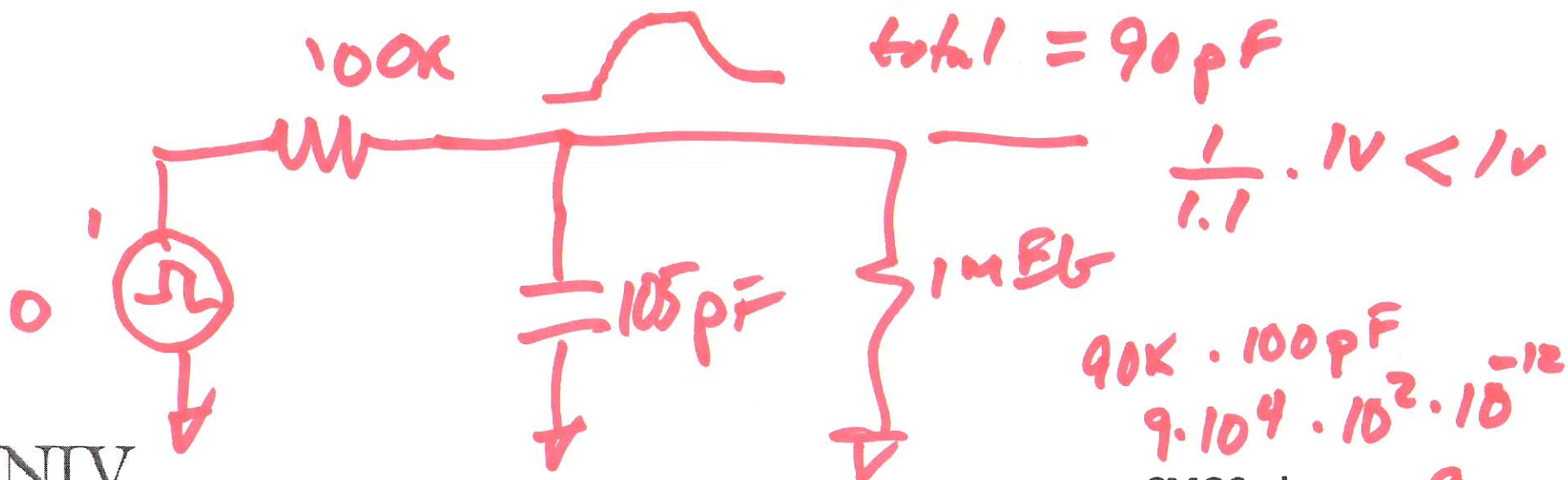
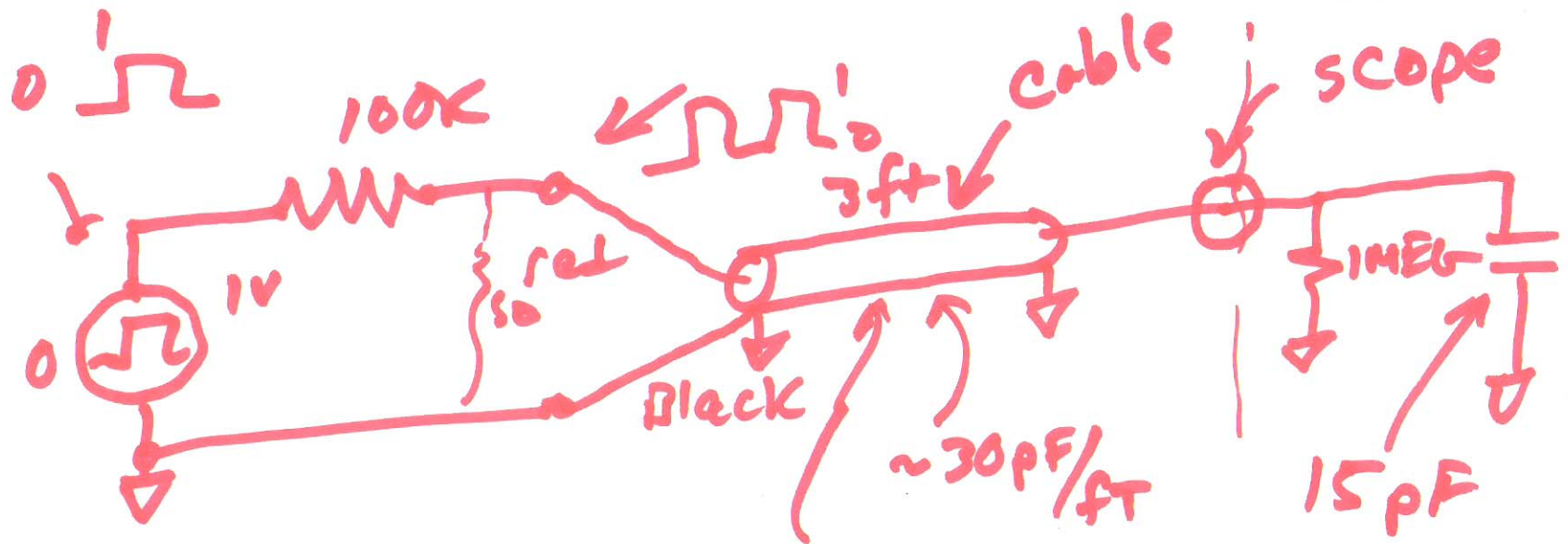
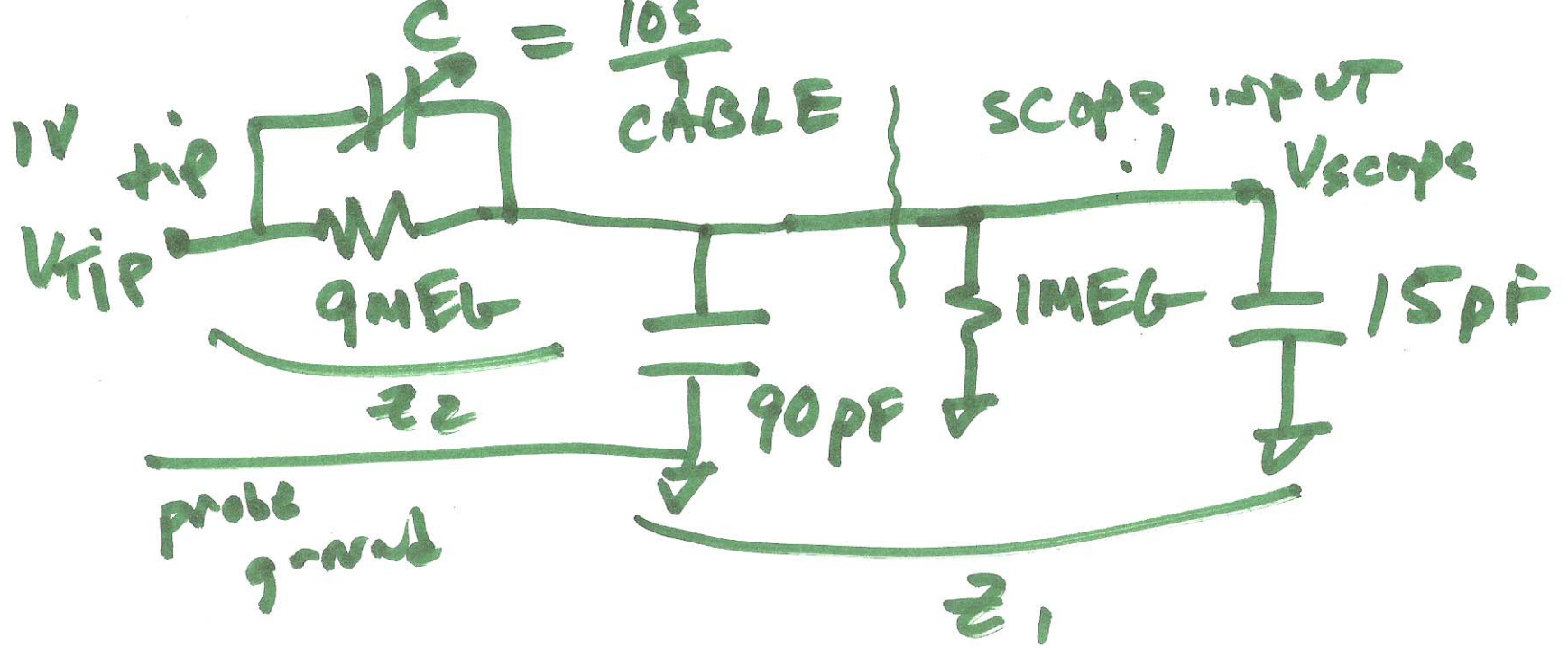


Probing with a "Compensated" scope probe



$$90\text{K} \cdot 100\text{pF} = 9 \cdot 10^4 \cdot 10^2 \cdot 10^{-12}$$

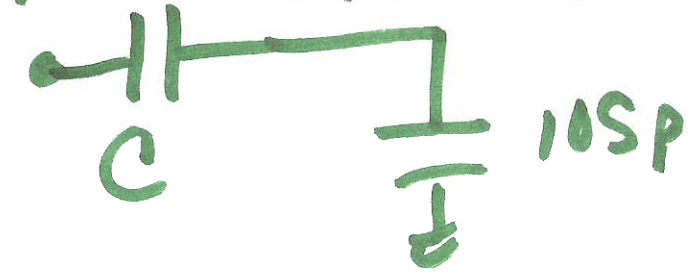
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$z_2 = 9 \cdot z_1$ for all frequencies

$$\frac{V_{SCOPE}}{V_{TIP}} = \frac{z_1}{z_1 + z_2} = \frac{1}{10} \rightarrow$$

11 pF $\frac{105}{9} \approx 11.7 \text{ pF}$ $10:1$



2)