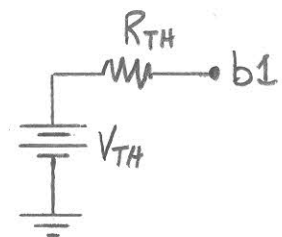
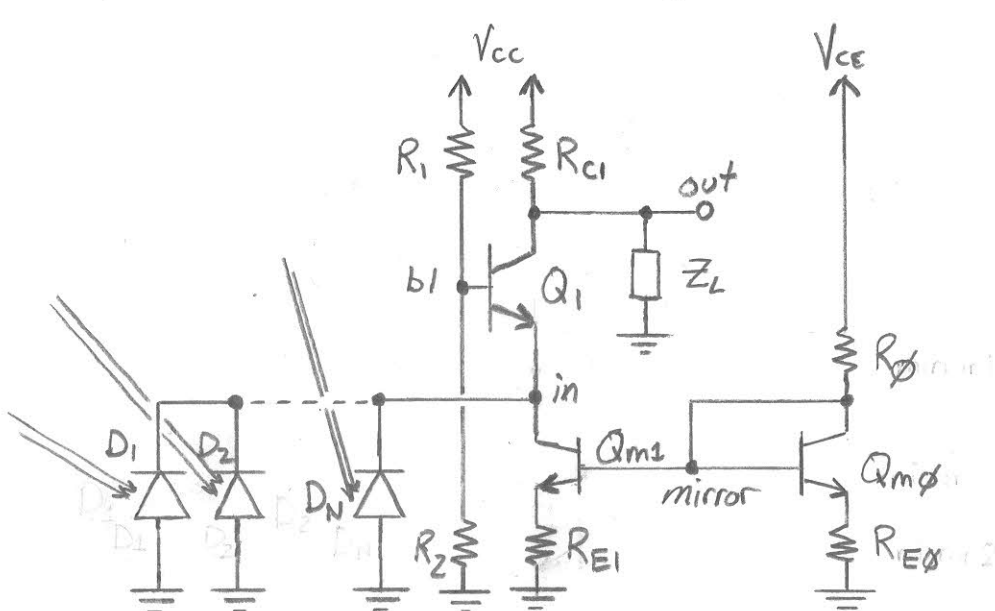


Common-Base Design

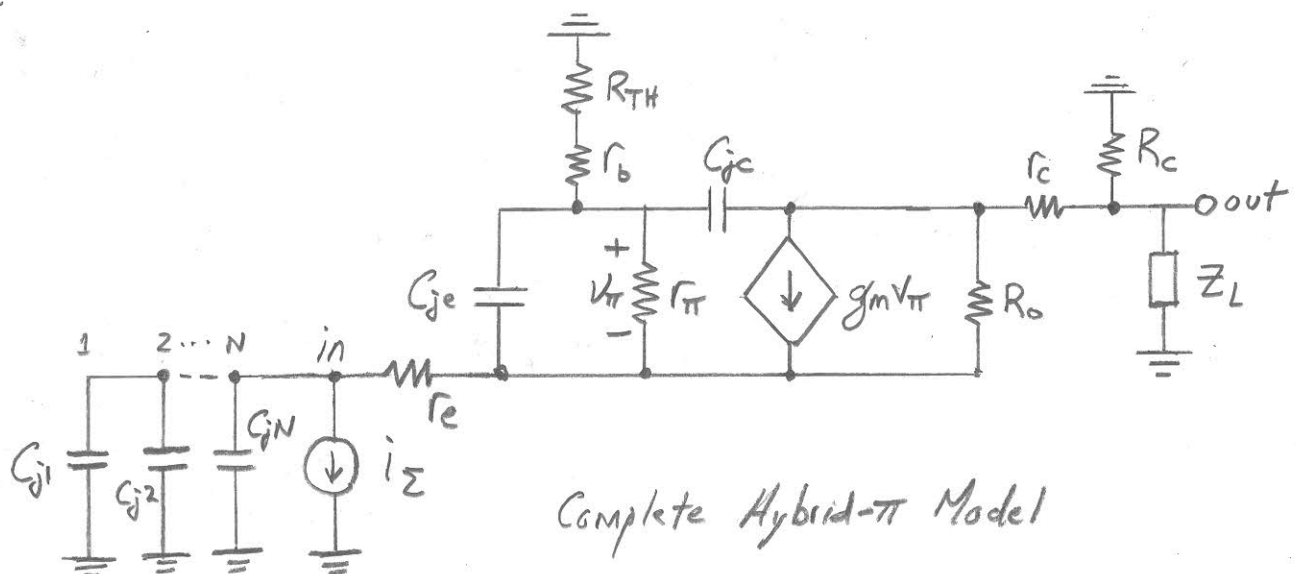


$$R_{TH} = \frac{R_1 R_2}{R_1 + R_2}$$

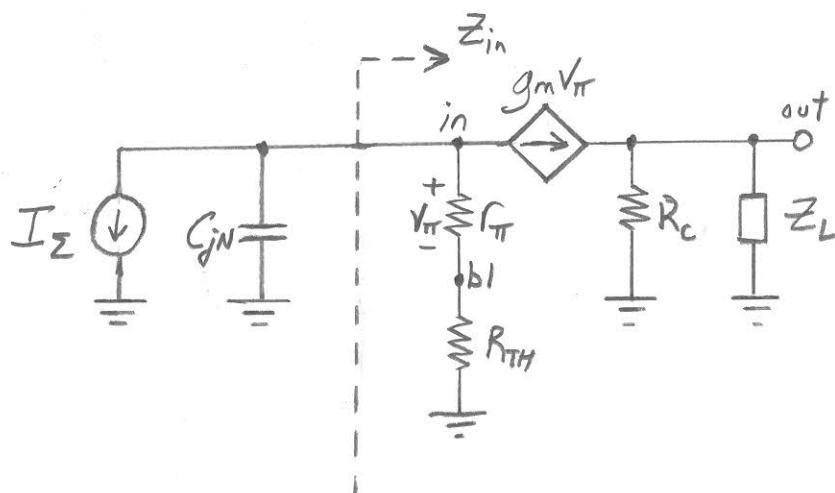
$$V_{TH} = \frac{R_2 V_{CC}}{R_1 + R_2}$$

$$R_1 = R_{TH} \cdot \frac{V_{CC}}{V_{TH}}$$

$$R_2 = R_{TH} \cdot \frac{V_{CC}}{V_{CC} - V_{TH}}$$



Complete Hybrid- π Model



Simplified Hybrid- π Model