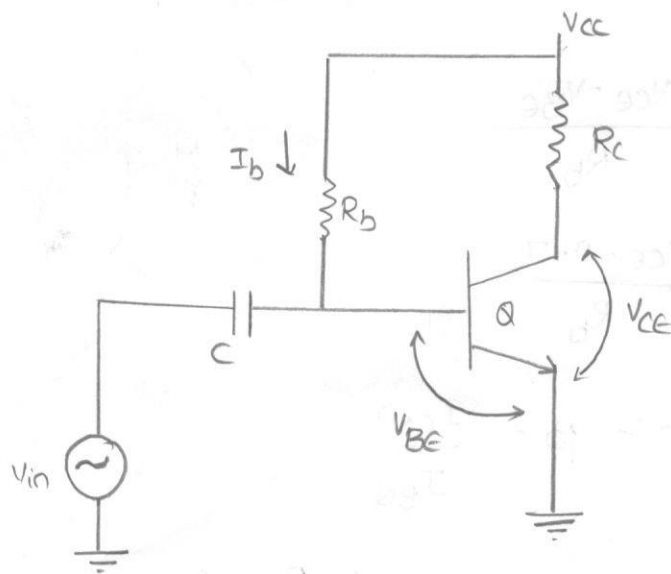


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Dc Analysis:

Apply KVL, we have

$$V_{CC} = I_C R_L + V_{CE}$$

$$I_C R_L = V_{CC} - V_{CE}$$

$$I_C = \frac{V_{CC} - V_{CE}}{R_L}$$

$$I_C = \frac{V_{CC}}{R_L} - \frac{V_{CE}}{R_L}$$

$$I_C = \left( -\frac{1}{R_L} \right) \cdot V_{CE} - \frac{V_{CC}}{R_L}$$

we consider  $y = mx + c$  the  $m$  is slope

Here slope is  $\left( -\frac{1}{R_L} \right)$