Problem 1

\[ V_{BE} = 0.7 \text{ V} \]

\[ R = 150 \text{ k}\Omega \]

\[ 2.5 \text{ m} \]

\[ I_L \rightarrow \text{Load} \]

Find \( I_L \)

Problem 2

\[ V_{in} \]

Find \( I_L \)
Problem 3

Find \( \frac{V_o}{V_{in}} \).

- Note that \( R_{load} \) is not grounded.