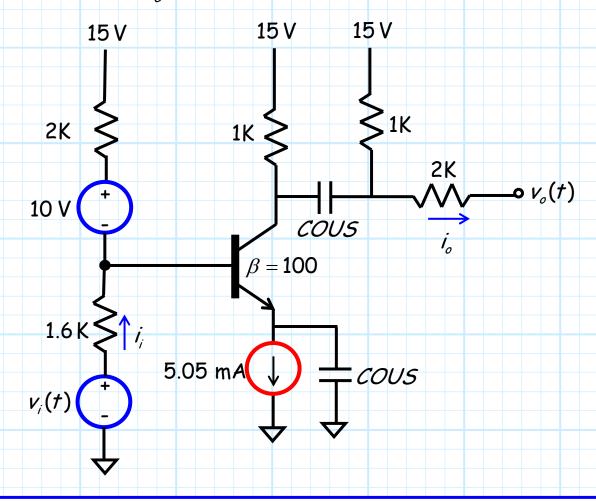
Special Problem 5.6-4

I have completed the DC analysis of this amplifier.

The collector current is $I_{\mathcal{C}}=5.0$ mA , and the BJT is in the active mode.



Continue with this analysis and determine:

- 1. The small-signal open-circuit voltage gain of the amplifier.
- 2. The small-signal output resistance of the amplifier.
- 3. The small-signal input resistance of the amplifier