
Lab. 5

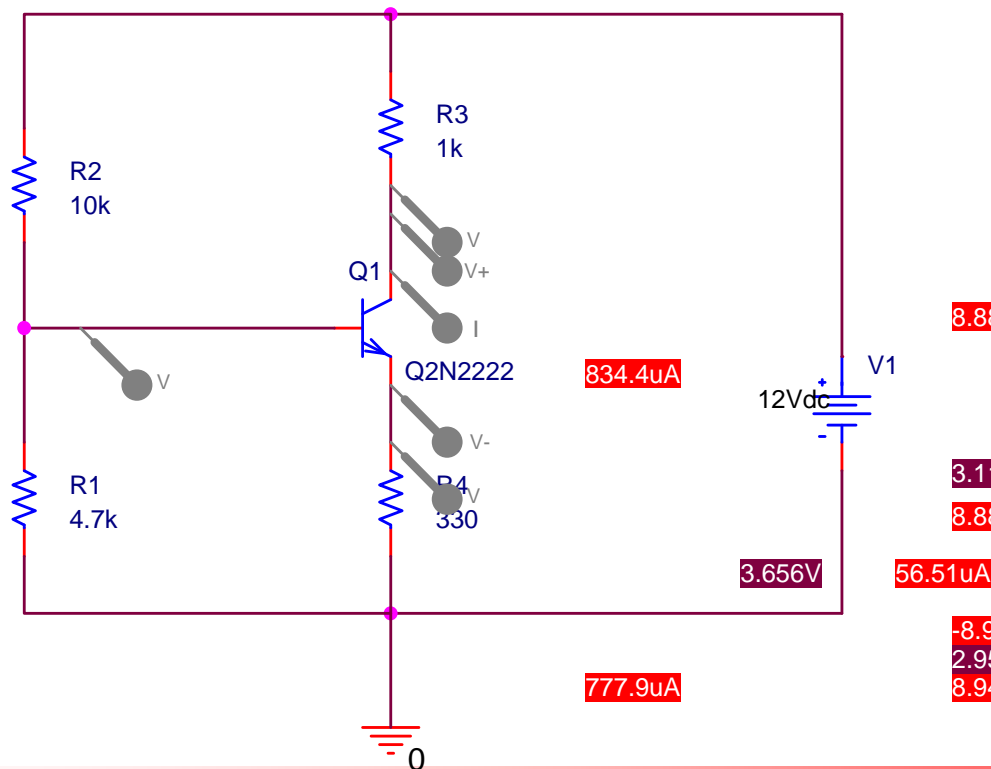
Common-Emitter

Amplifiers



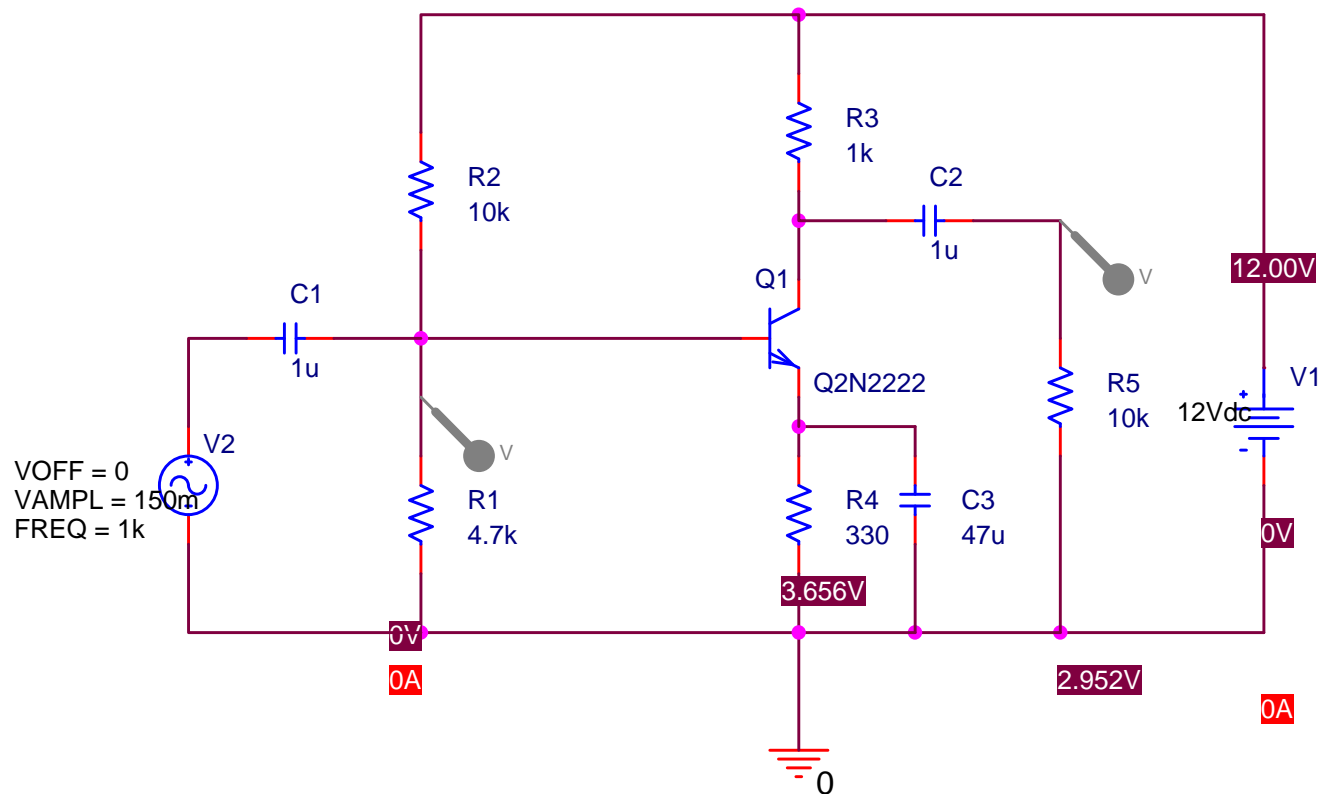
Voltage Divider Bias Circuit

- ✓ Test Circuit (pp. 118, Fig. 6-14)
- ✓ Resistance changed (Table 7-1)



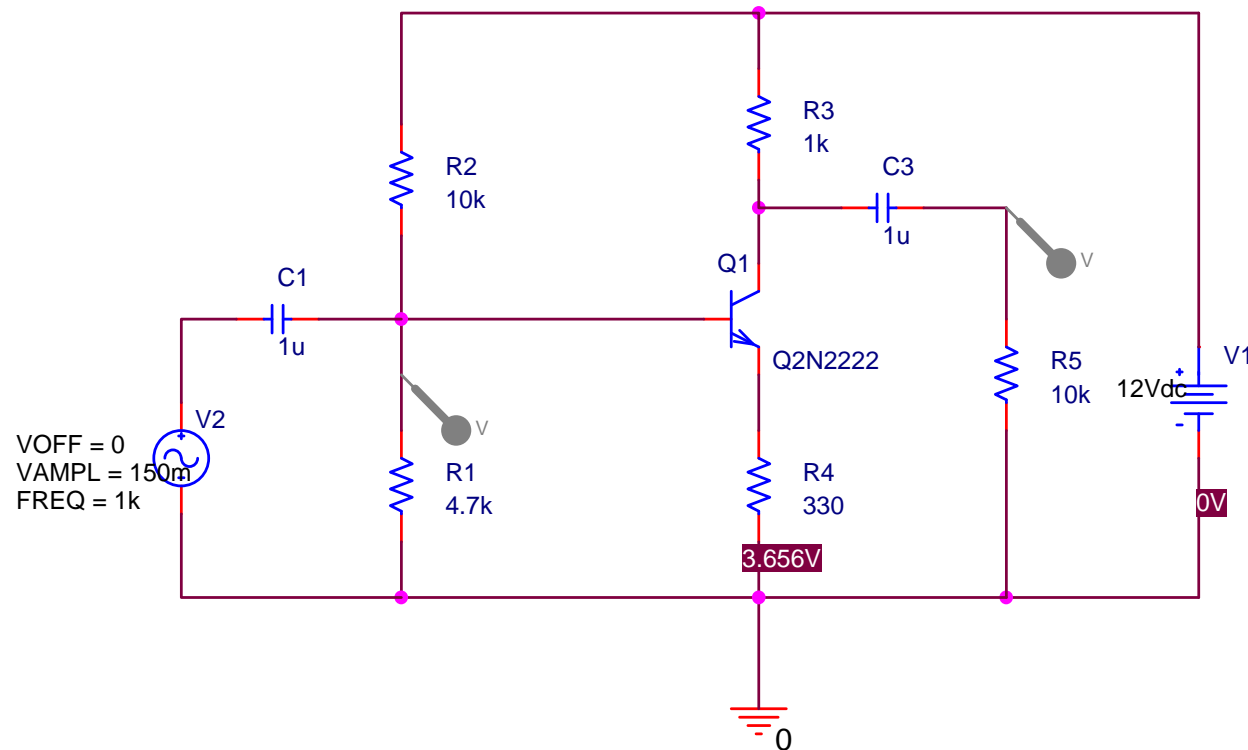
Small-Signal CE Amplifier

- ✓ Small-signal CE amplifier circuit (pp. 136, Fig. 7-6)



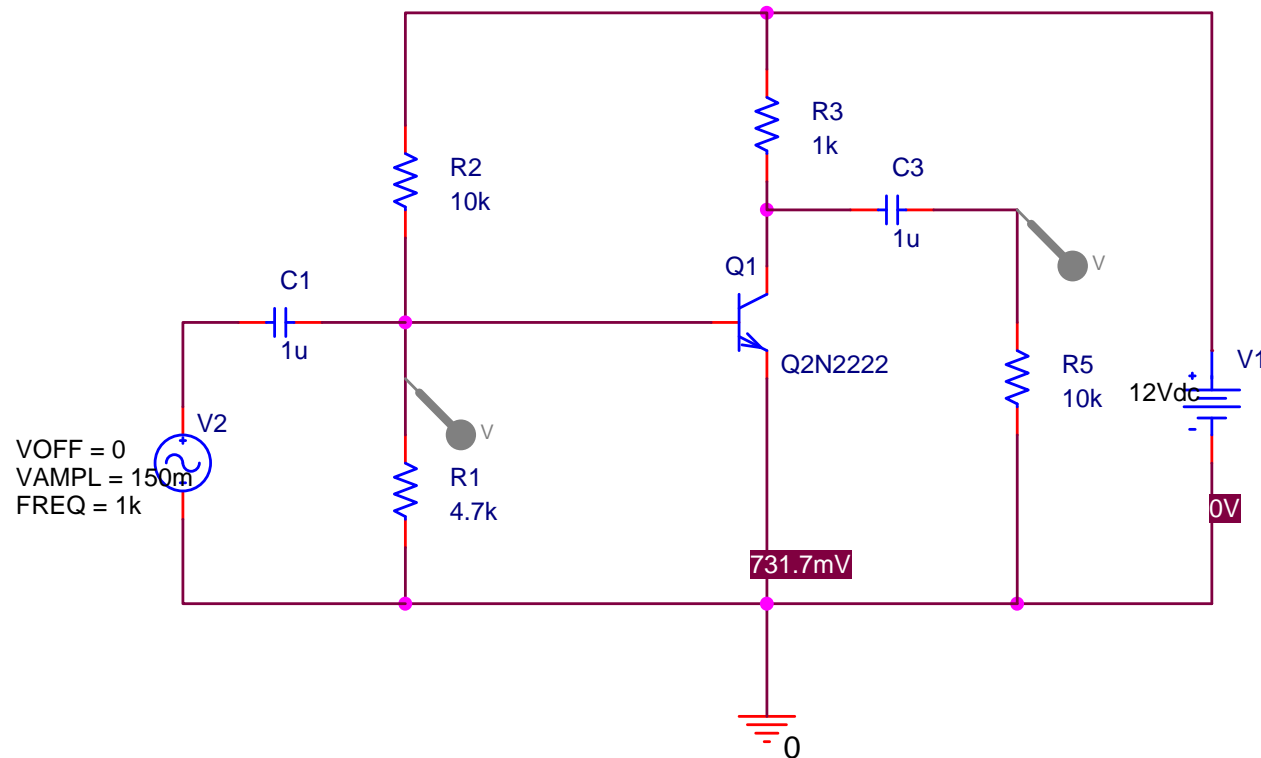
Small-Signal CE Amplifier

- ✓ Small-signal CE amplifier circuit (Fig. 7-6, C_2 removed)



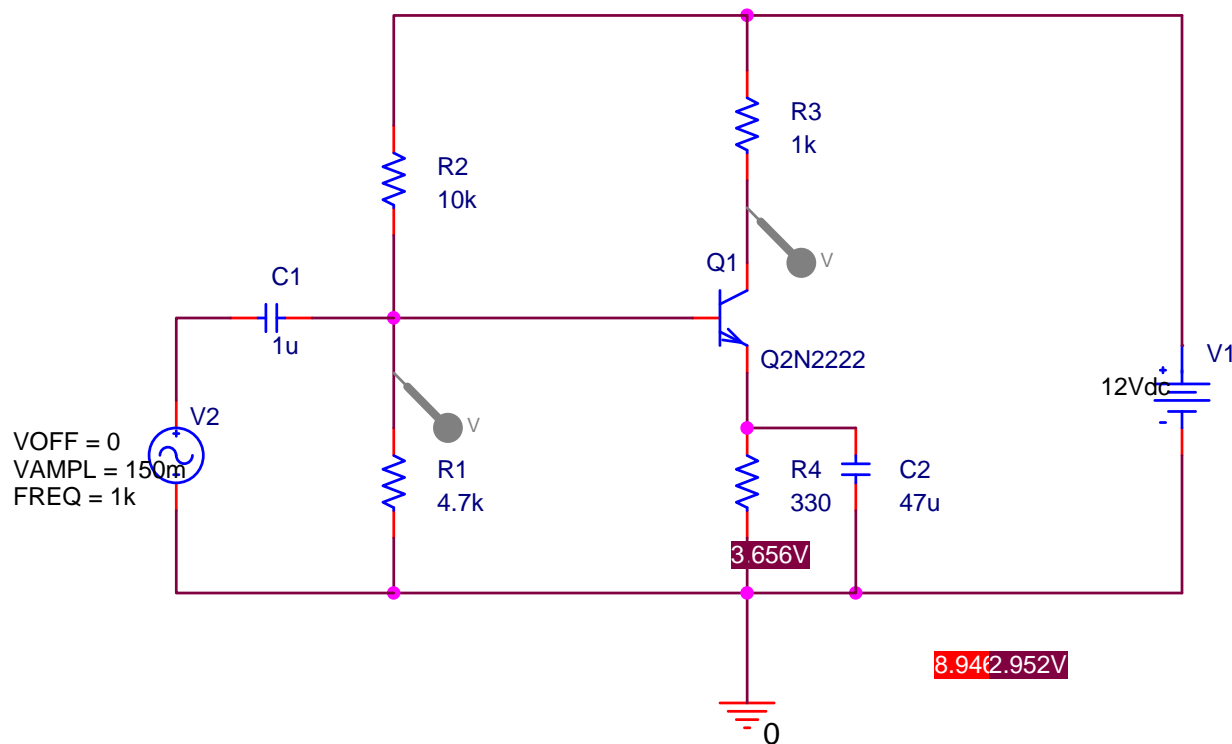
Small-Signal CE Amplifier

- ✓ Small-signal CE amplifier circuit (Fig. 7-6, R_E short)



Small-Signal CE Amplifier

- ✓ Small-signal CE amplifier circuit (Fig. 7-6, R_L open)



Contents of Lab. Report

- ✓ Team No.: _____ PID: _____ Name: _____
- ✓ Introduction
- ✓ Small-Signal CE(Common-Emitter) Amplifier Test Results
- ✓ Discussion & Conclusion



Pre-Report (Lab. 6)

- ✓ PSPICE simulations of a small-signal CC (common-collector) amplifier circuit!
- ✓ Submit the schematic diagrams and the simulation results.
- ✓ No need of introduction and discussion in pre-report.

