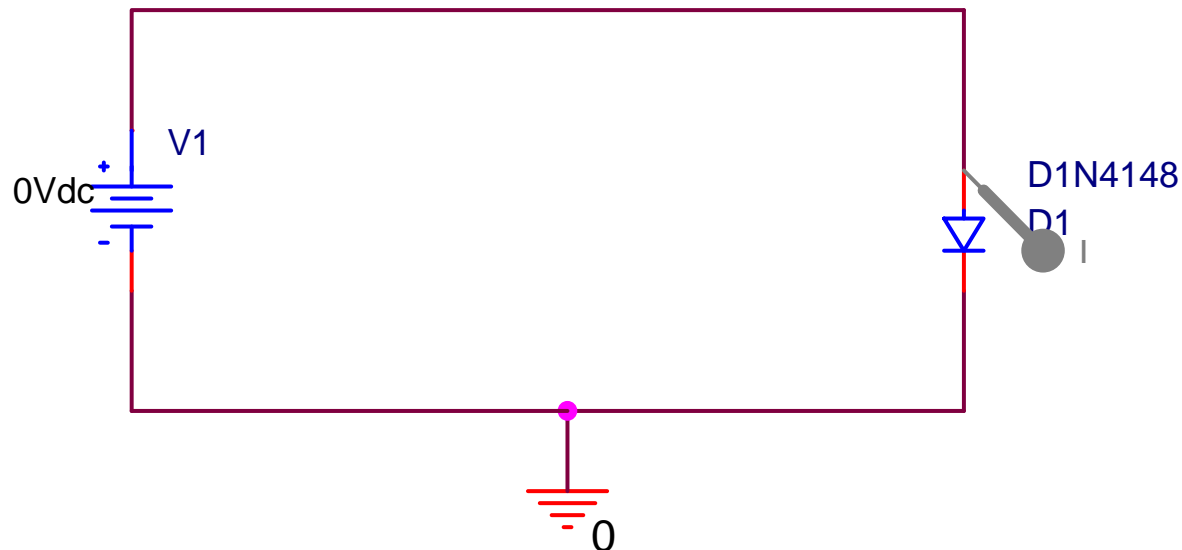

Lab. 2

Diodes & Rectifiers



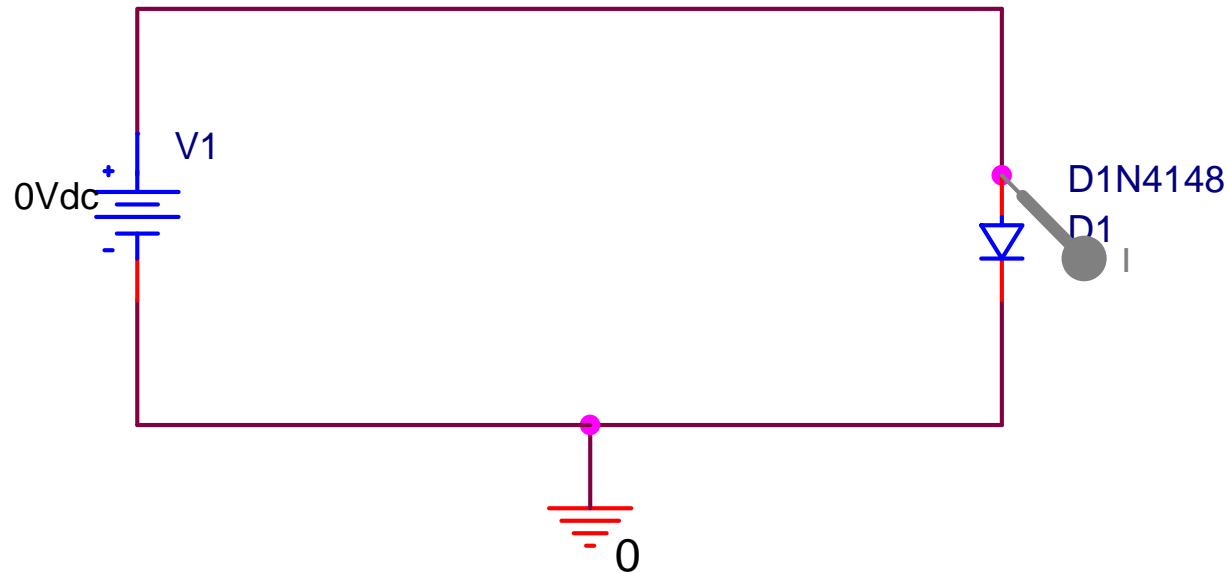
Diode V-I characteristics

- ✓ Change the input voltage of the diode circuit below from 0 ~ 1V, and measure the voltage and the current of the diode.
- ✓ Draw a graph of the diode V-I characteristics in forward-bias region (pp. 26, Fig. 1-11).

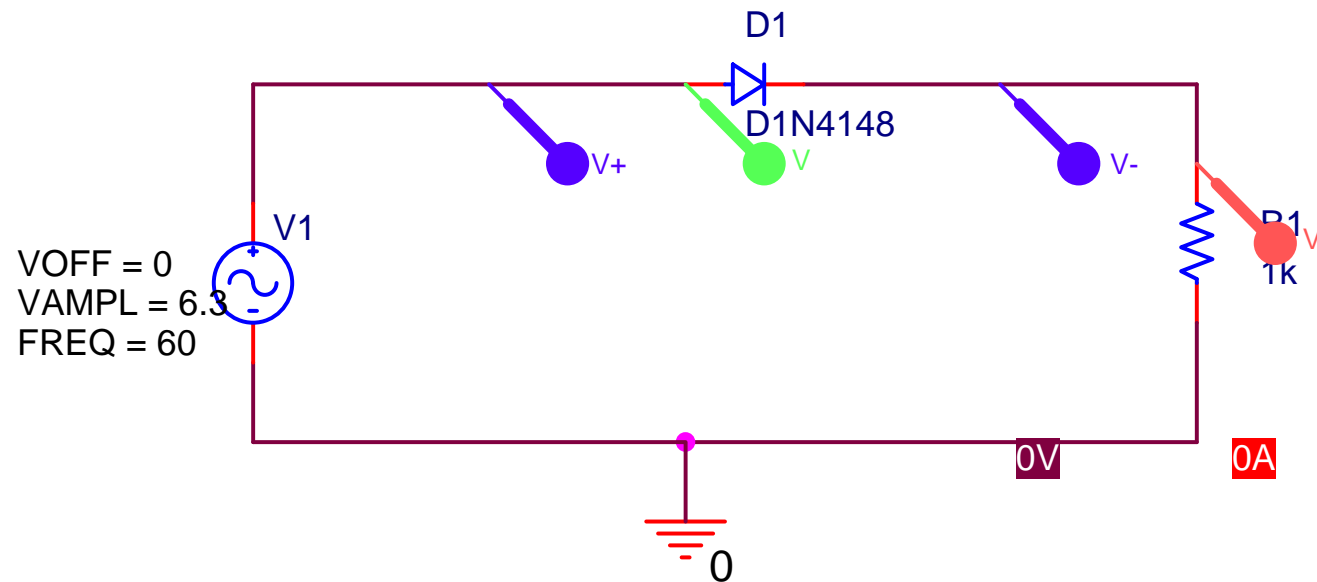


Diode V-I characteristics

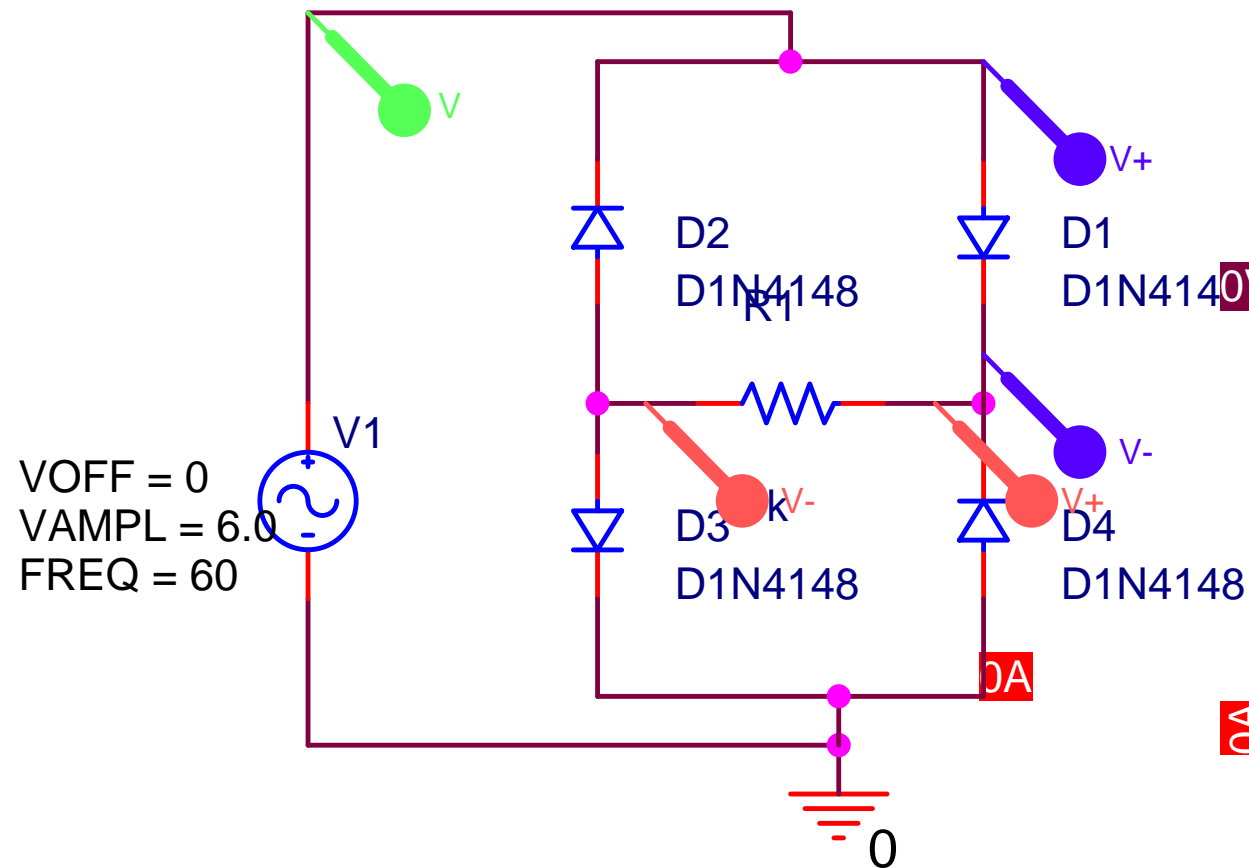
- ✓ Reverse-bias currents (pp.26, Fig. 1-12)



Half-Wave Rectifier



Full-Wave Rectifier



Contents of Lab. Report

✓ Team No.: _____ PID: _____ Name: _____

✓ Introduction

✓ Diodes & Rectifiers Results

✓ Discussion & Conclusion



Pre-Report (Lab. 3)

- ✓ PSPICE simulations of a Zener-diode characteristic and the voltage-control test circuit!
- ✓ Submit the schematic diagrams and the simulation results.
- ✓ No need of introduction and discussion in pre-report.

