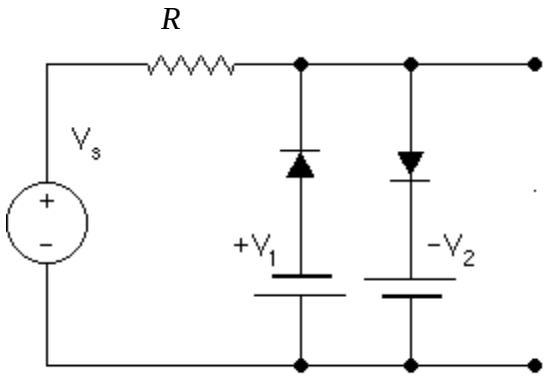
EC410 PSPICE LABORATORY EXERCISE

1) For the circuit shown below, V_s = 15 V, V_1 = 5 V, V_2 = 2 V, and R = 10 Ω. The diodes are 1N4148 parts. Use PSPICE to find the dc current through each diode.



2) Consider the circuit to the right. Use PSPICE to plot the capacitor voltage and current as functions of time if

V = (5 V) $u(t)$;
R = 100 Ω,
L = 100 mH, and
C = 0.1 μF.

Here $u(t)$ is a unit step function.