

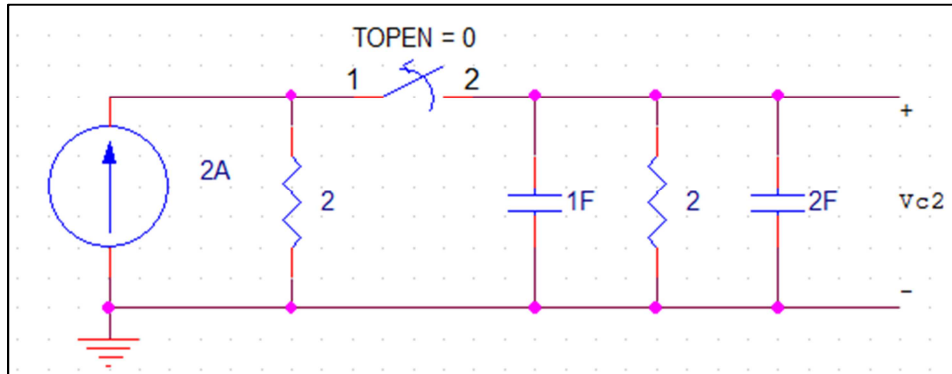
## HOMWORK SET 6

**DUE DATE: 3/10/16**

**TEXTBOOK PROBLEMS:** 8.5, 8.20, 8.39, 8.43, 8.49, 8.58, 8.60, 8.63, 8.66

9.2, 9.8, 9.31, 9.37, 9.39, 9.60

**SUPPLEMENTAL QUESTION:**



### QUESTION 1

1. Determine the equation that represents the voltage "Vc2" as a function of time
2. Sketch the voltage characteristics of the circuit between  $-\infty < t < \infty$
3. Simulate the circuit using LTSPICE and plot the voltage
4. Compare the results to your initial predictions from (2)