ECE 524: Homework #3

**Problem 6-3 in text book:** Neglect the loads for analytical calculations.

**Problem 6-4 in text book:** Neglect the loads for analytical calculations.

**Problem 6-5 in text book:** Neglect the loads for analytical calculations. Choose the resistance such that the series R-L-C circuit for energizing the capacitor is critically damped for the case with the bus tie breaker open and round up to the nearest 0.5 ohm.

Instead of recalculating the resistance with the tie breaker closed, evaluate the response with the same resistance and the bus tie breaker closed.