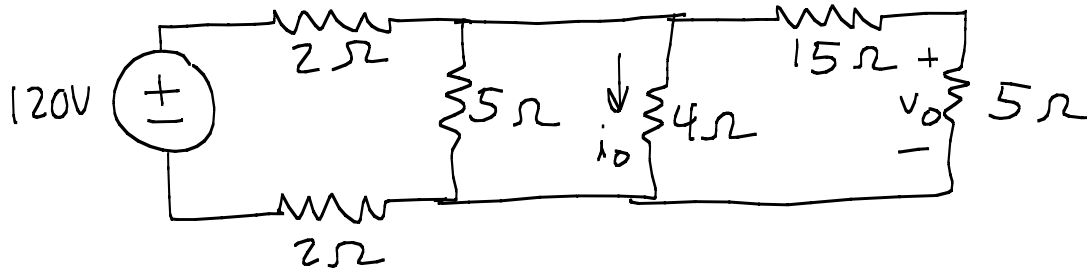


## Series and Parallel Resistive Circuits

**Problem Statement:** Determine  $v_0$ ,  $i_0$ ,  $p_{15\Omega}$ , and  $p_{120V}$ .



1.) Label all currents and voltages.

2.) Determine if there are series and parallel combinations, and convert to an equivalent circuit.

3.) Solve for the voltage or current in the equivalent circuit.

4.) Return to the original circuit and solve for the currents, voltages, and power.