Lab 4 – Revised circuits for “Lab 34” – Kirchhoff’s Laws

Circuit Zero

This is half of the circuit used in Part 1.

K stands for Kenwood power supply.
C stands for Cenco power supply.

Solve it to use for initial checkout of your lab setup and technique.

There is no place to record these measurements on your data sheet, but make them anyway. You can record them on the worksheet you used to predict these currents.

Circuit One

This is the circuit for Part 1 of the lab.

Resistances are approximate. You will need to solve this with the actual resistance values shown on your box as part of your lab report, but the solution to this one will be close to your final one.

Circuit Two

This is the circuit for Part 2 of the lab.

This replaces Fig. 34.6.

It uses only two loops instead of three; change Data Table 2 accordingly by deleting the 4th row.