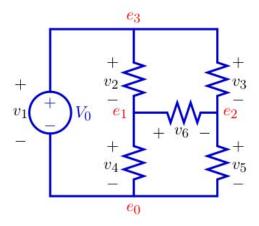
Problem Wk.8.1.1: Describing circuits

Read the Software Lab 8 Handout before doing these problems.

Part 1: Equations

Complete the EquationSet for the simple circuit below, following the first example in the handout.

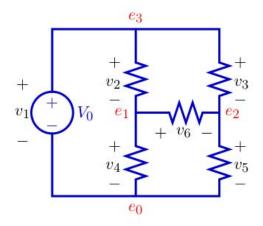


- Use e0, e1, e2, e3 for the voltages at the nodes.
- Use i1, i2, i3, i4, i5, i6 as the currents. Assume each current is defined to flow from the positive to the negative terminal of the corresponding component, i_k corresponds to v_k .
- All the resistors except R4 have value 100 ohms; R4, which is the resistor between nodes e1 and e0, has value 10 ohms.
- The source voltage, vo, is 10 volts.
- e0 is ground.

You can debug this in idle using the file swLab08Work.py

ce = le.EquationSet()						

For the simple circuit below, complete the description using the circ.Circuit class.



- Use e0, e1, e2, e3 for the voltages at the nodes.
- All the resistors except R4 have value 100 ohms; R4, which is the resistor between nodes e1 and e0, has value 10 ohms.
- The source voltage, vo, is 10 volts.

You can debug this in idle using the file swLab08Work.py



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