EE 206: Homework #4

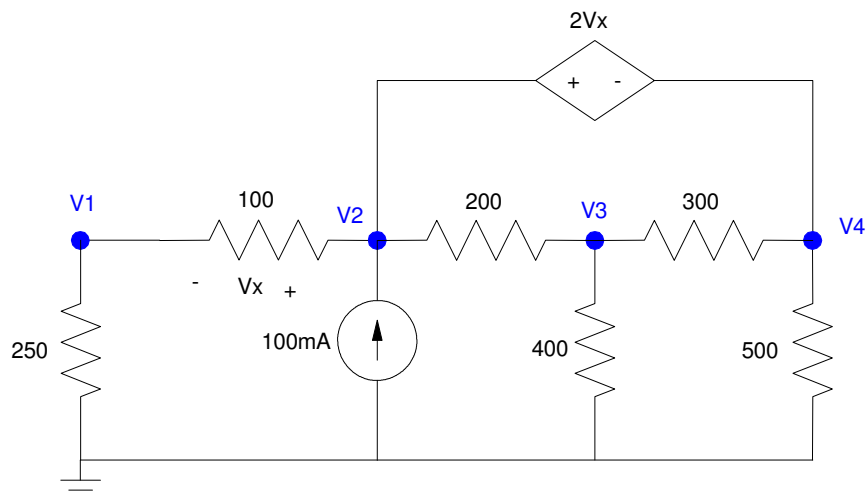## Super Nodes

1) Write the voltage node equations for the following circuit (N equations for N unknowns)

2) Solve for V1, V2, and V3
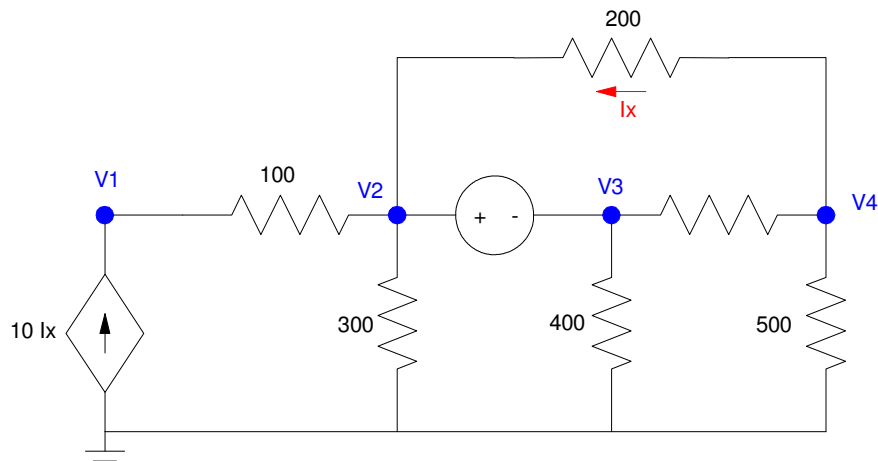
Problem 1 & 2

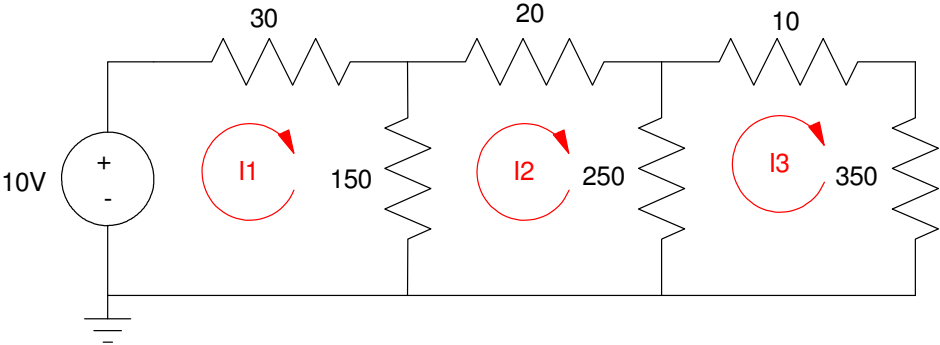3) Write the voltage node equations for the following circuit (N equations for N unknowns)
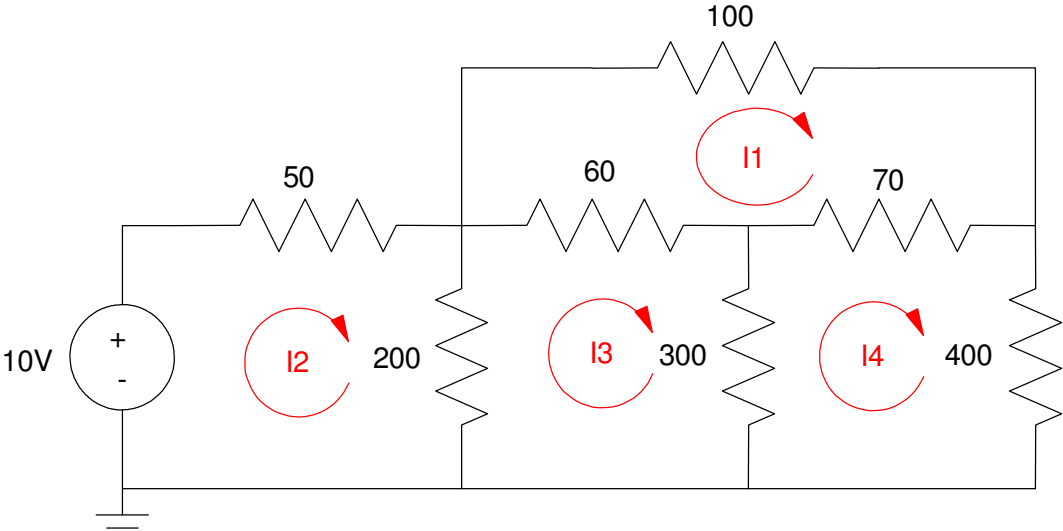
4) Solve for V0, V1, V2, and V3

Problem 3 & 4

Current Loops

5) Write the current loop equations for the following circuit (N equations for N unknowns).

6) Solve for I1, I2, and I3

Problem #5 & &6
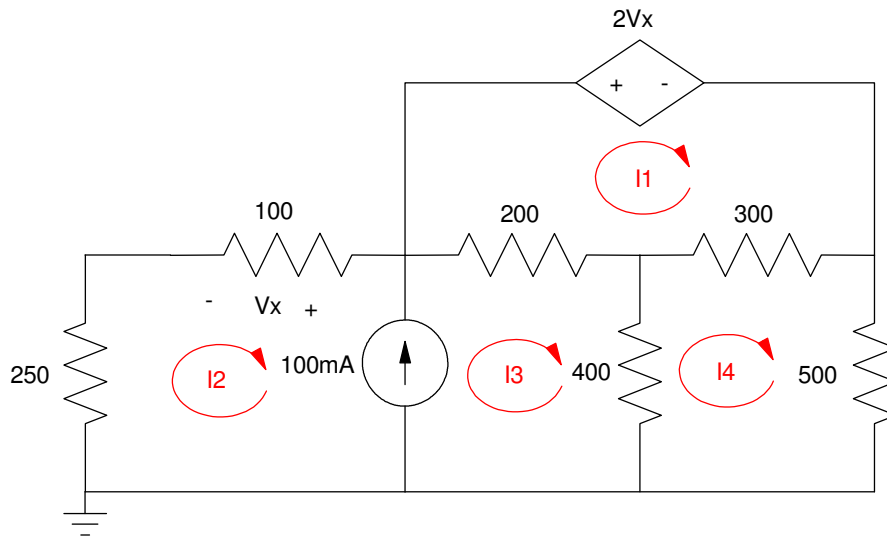
7) Write the current loop equations for the following circuit
   *   (no need to solve - just write N equations for N unknowns)
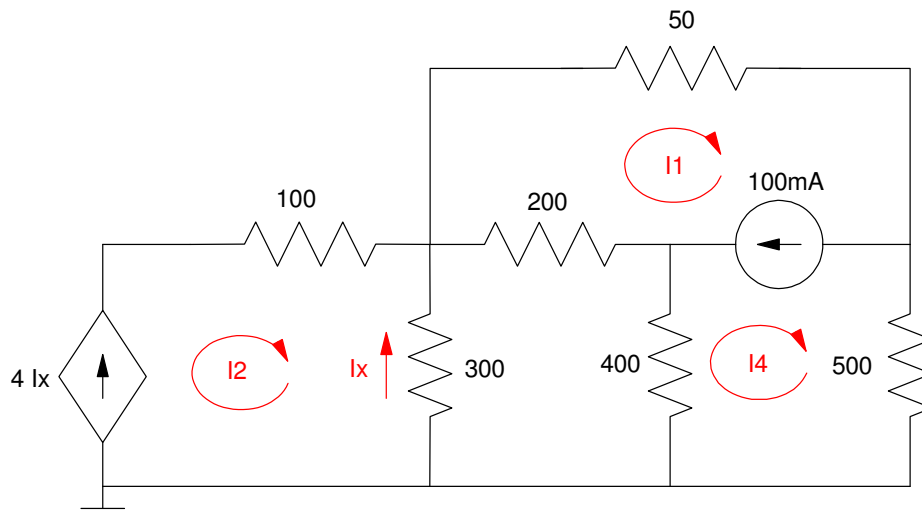

Problem #7

Super Loops

8) Write the current loop equations for the following circuit
  - (no need to solve - just write N equations for N unknowns)

Prob lem #8

9) Write the current loop equations for the following circuit
  - (no need to solve - just write N equations for N unknowns)

Problem #9