

Experiment # 7

Verification of Node Voltage Method using PSPICE

Objectives:

- How to calculate node voltages of a circuit.

Apparatus:

- Computer with PSPICE installed

Procedure:

- 1) Open schematic program of PSpice
- 2) Click on the “Get New Part” button on the toolbar
- 3) Type ‘r’ in the search bar and place the eight resistors on the white sheet
- 4) Type ‘vdc’ in the search bar and place two of them on the white sheet
- 5) Type ‘gnd-earth’ and place it on the white sheet
- 6) Now arrange these components on the white sheet according to the circuit diagram as following
- 7) After arranging click on simulate button and the following results are generated

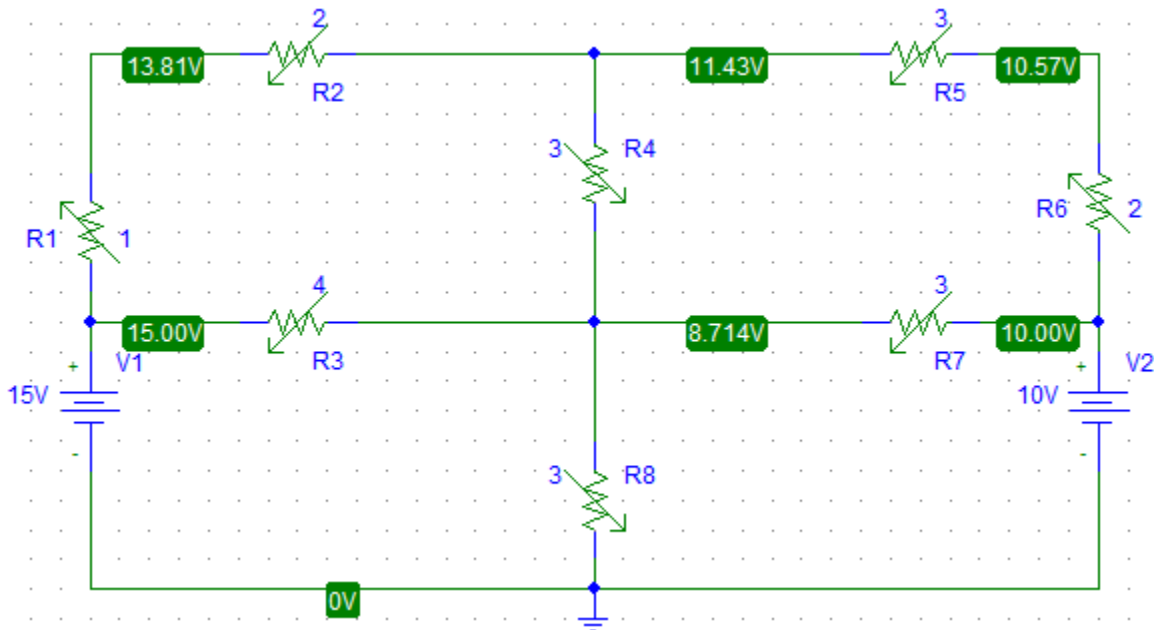


Figure 15 Circuit Diagram

Note: Node B is above between R2 and R5 while node D is in the middle between R3 and R7.