# Experiment # 8

Verification of Mesh Current Analysis

**Objectives:**

Objectives of lab is to verify Mesh Current analysis.

# Apparatus:

* Computer with PSPICE software installed on it

# MESH CURRENT ANALYSIS:

Mesh analysis is method that is used to solve planar circuits for the currents (and indirectly the voltages) at any place in the electrical circuit. Planar circuits are circuits that can be drawn on a plane surface with no wires crossing each other.

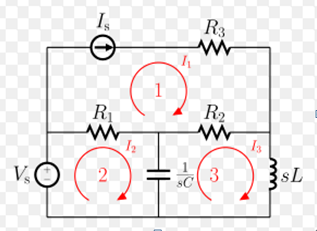


Figure 16 MESHES IN A CIRCUIT

# 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

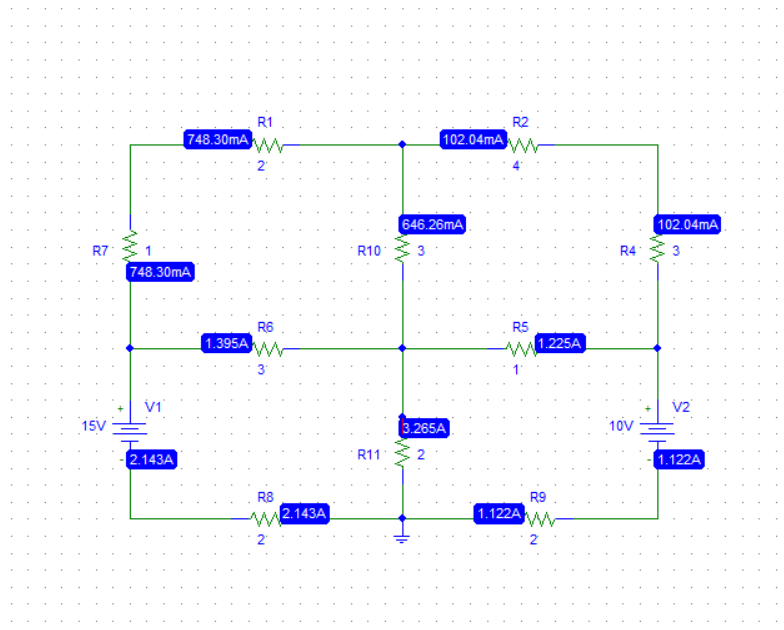


Figure 17 CIRCUIT IN PSPICE

1. After arranging click on simulate button and the following results are generated