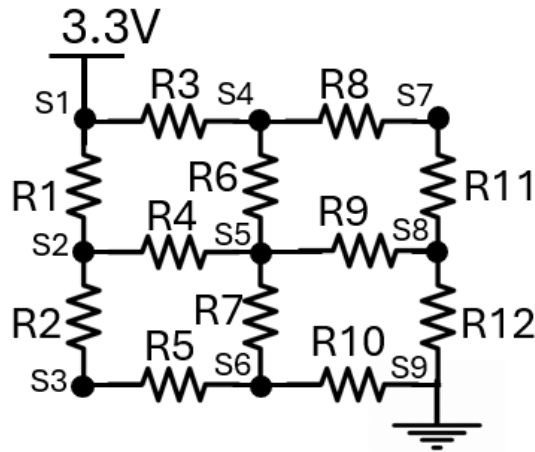


## Lab Assignment 1:

a) The first circuit is Network1 of Module1 on your demo board. In the given circuit, calculate the voltage values at each node ( $S_1$  to  $S_9$ ), and the current through each branch ( $I_1$  to  $I_{12}$ ).

$$R_1 = R_2 = R_6 = R_7 = R_{11} = R_{12} = 100\Omega$$

$$R_3 = R_4 = R_5 = R_8 = R_9 = R_{10} = 50\Omega$$



b) The second circuit is Network2 of Module1 on your demo board.

In the given circuit, calculate the voltage values at each node ( $S_1$  to  $S_9$ ), and the current through each branch ( $I_1$  to  $I_{12}$ ).

$$R_1 = R_2 = R_3 = R_4 = R_5 = R_6 = R_7 = R_8 = R_9 = R_{10} = R_{11} = R_{12} = 100\Omega$$

