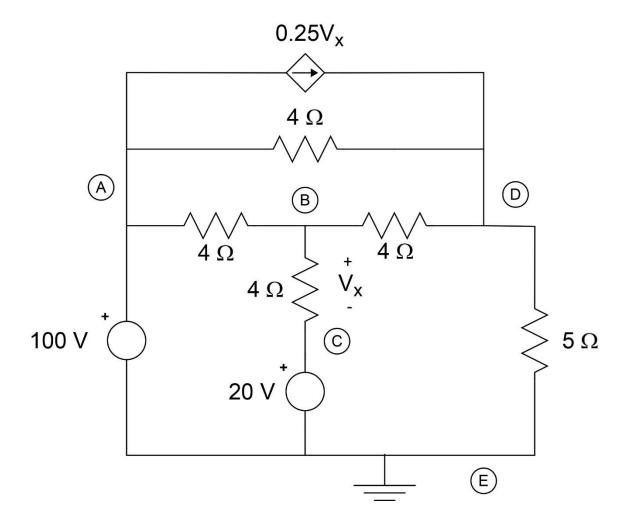
Unit 8.1.5

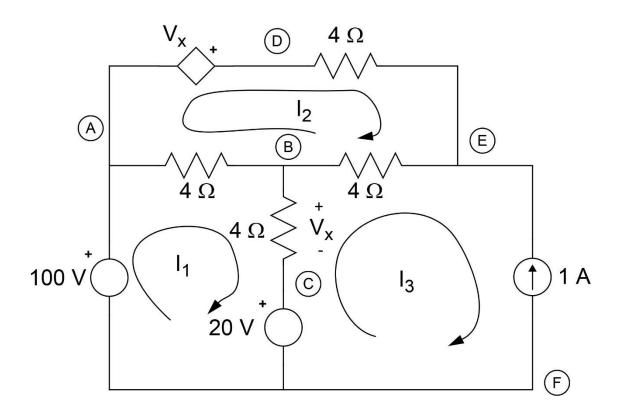
Q 8.1.5.1: For the circuit shown below use Nodal Analysis to solve for the nodal voltages V_A , V_B , V_C and V_C .



Solution: (Self Assessment) V_A = 100 V, V_B = 65 V, V_C = 20 V and V_D = 75 V.

Unit 8.2.5

Q 8.2.5.1: For the circuit shown below use Mesh Analysis to solve for the mesh currents I_1 , I_2 and I_3 . From the values of the mesh currents calculate the voltage V_{EF} .



Solution: (Self Assessment) I_1 = 14.25 A, I_2 = 9.5 A, I_3 = -1 A and V_{EF} = 123 V.