

Electrical Power Engineering Fundamentals

Departamento de Ingeniería Eléctrica. Universidad Carlos III de Madrid

Module 2. Analysis of DC Circuits. Week 4

Exercise 1. Find the Thévenin and Norton equivalents between nodes A and B for the following circuit.

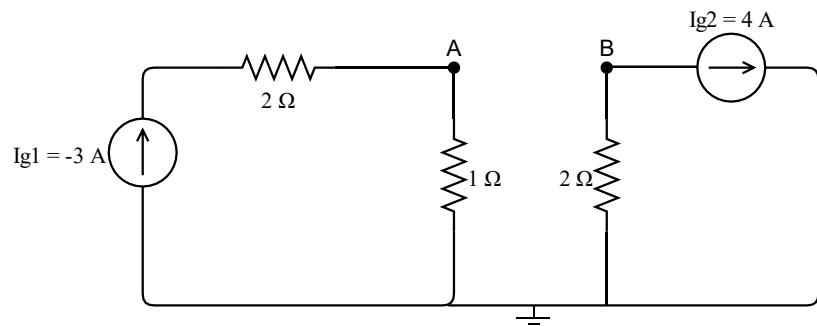


Figure 1 DC circuit 1

Exercise 2. Find the Thévenin and Norton equivalents between nodes A and B for the following circuit.

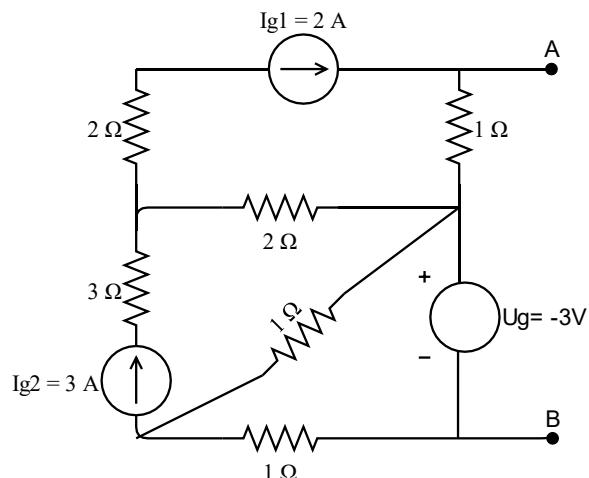


Figure 2 DC circuit 2

Exercise 3. In the following circuit:

- a) Using the Thévenin equivalent, find I_r for different values of R : 2Ω , 3Ω and 8Ω .

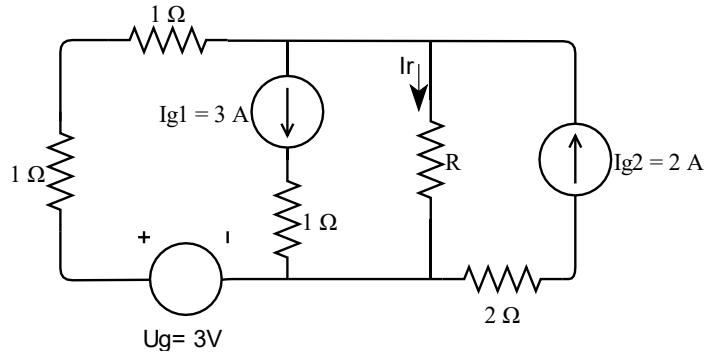


Figure 3. DC circuit 3

Exercise 4. Find the Thévenin and Norton equivalents between nodes A and B for the following circuit.

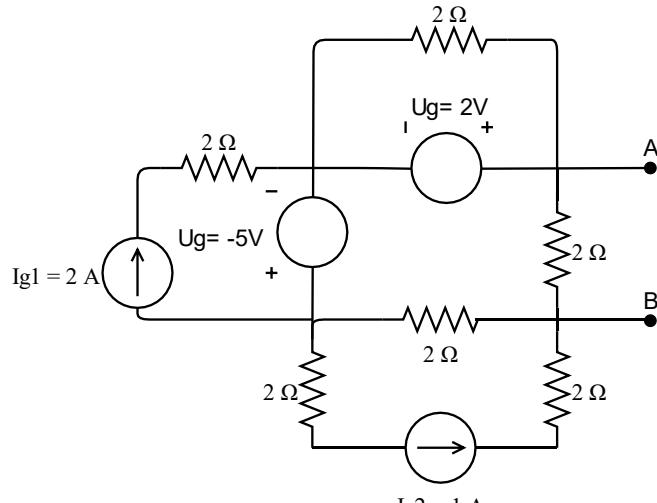


Figure 4. DC circuit 4