

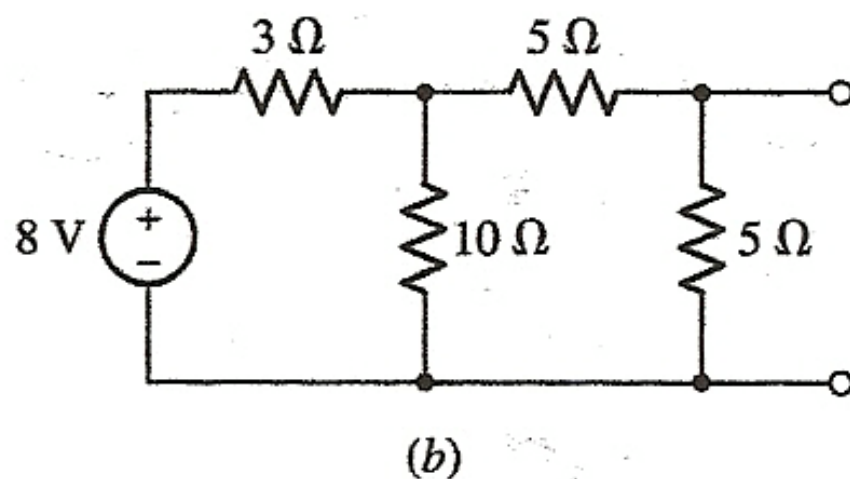
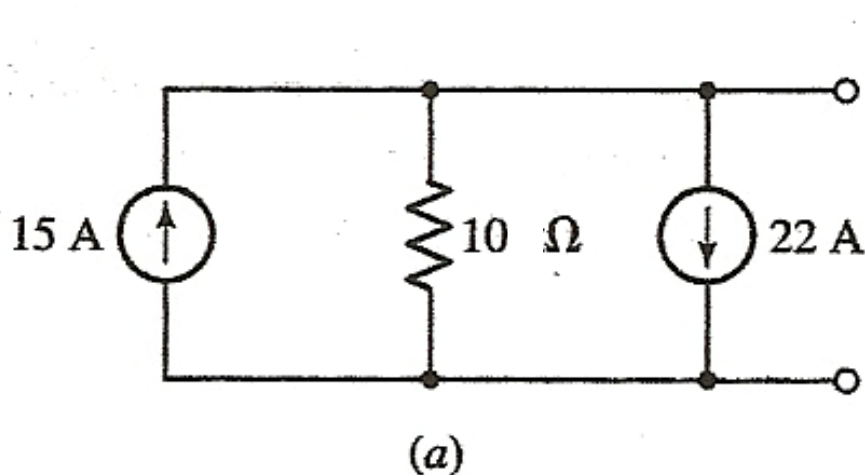


Circuitos Eléctricos I

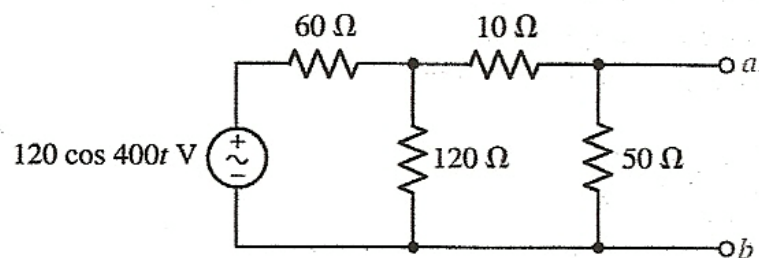
Ejemplos

Ejemplos de Transformación de Fuentes

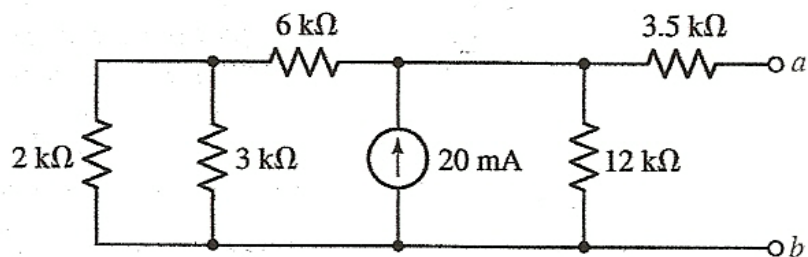
20. With the assistance of the method of source transformations, (a) convert the circuit of Fig. 5.65a to a single independent voltage source in series with an appropriately sized resistor; and (b) convert the circuit of Fig. 5.65b to a single independent current source in parallel with an appropriately sized resistor. For both (a) and (b), leave the right-hand terminals in your final circuit.



22. Use source transformations and resistance combinations to simplify both of the networks of Fig. 5.67 until only two elements remain to the left of terminals a and b .



(a)

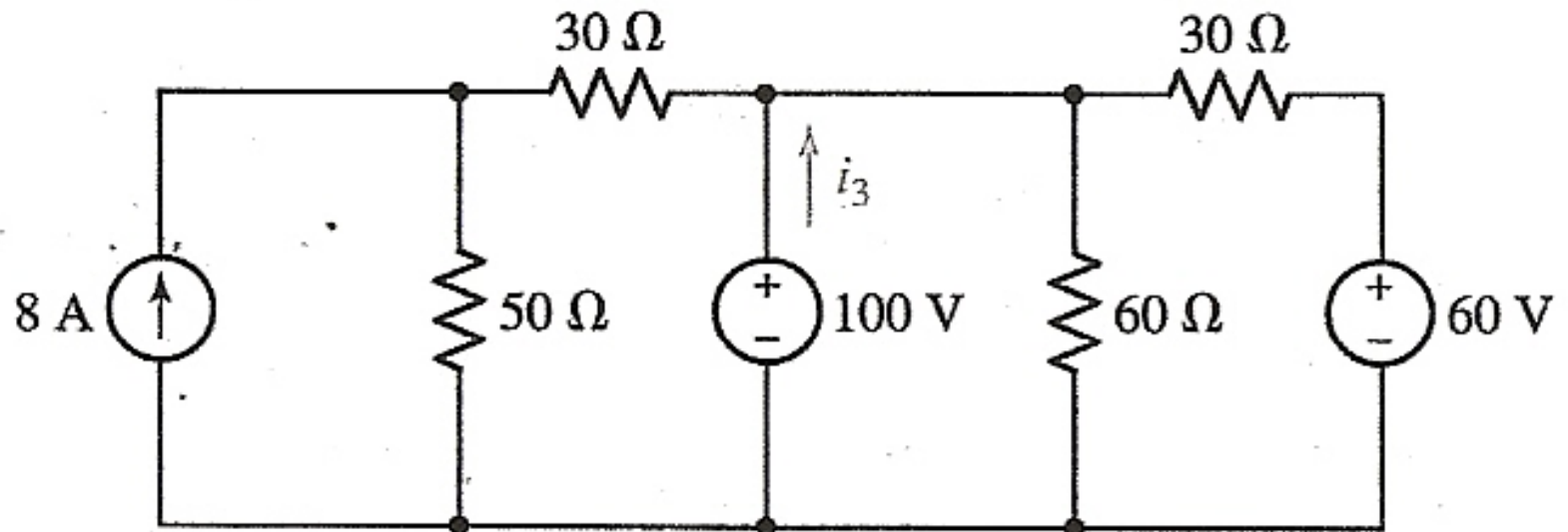


(b)



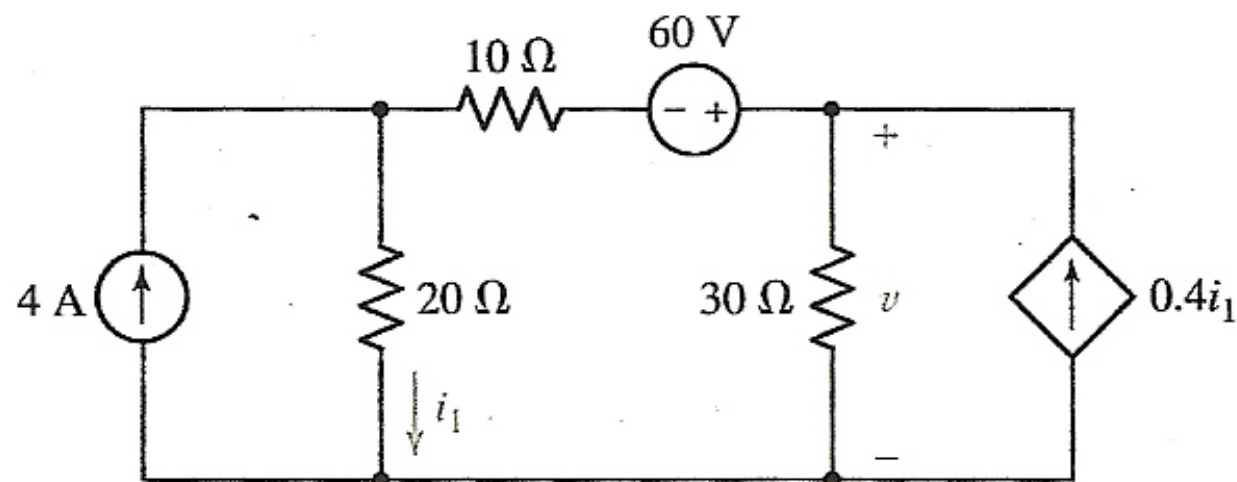
Ejemplos de superposición

8. Apply superposition to the circuit of Fig. 5.53 to find i_3 .



■ **FIGURE 5.53**

10. Use superposition on the circuit shown in Fig. 5.55 to find the voltage v . Note that there is a dependent source present.



■ FIGURE 5.55