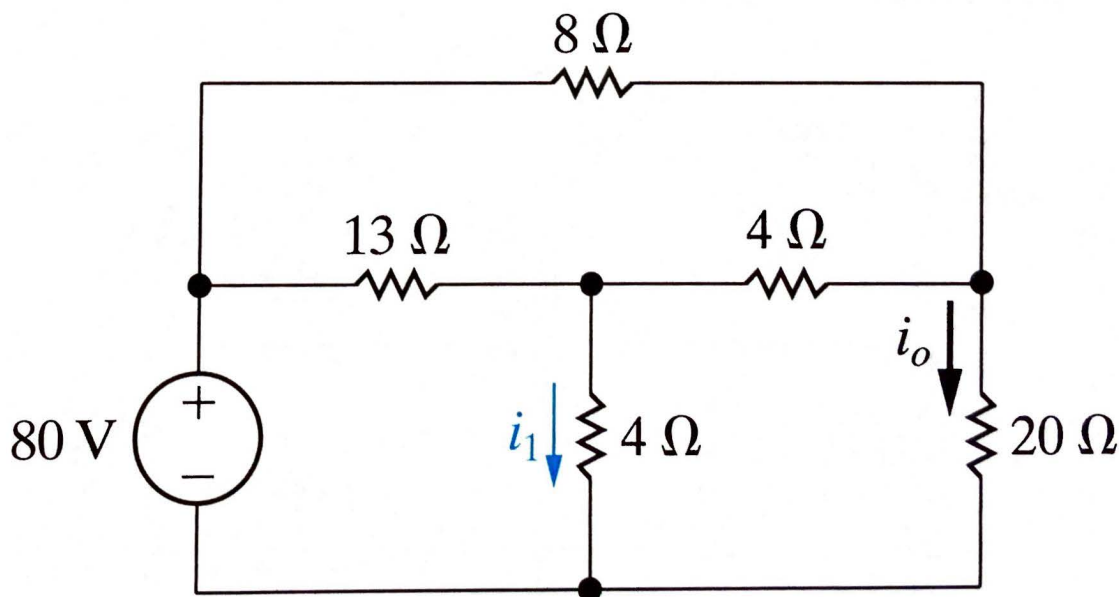


2.22 The current i_o in the circuit in Fig. P2.22 is 2 A.

PSPICE
MULTISIM

- Find i_1 .
- Find the power dissipated in each resistor.
- Verify that the total power dissipated in the circuit equals the power developed by the 80 V source.

Figure P2.22



2.23 The voltage across the $22.5\ \Omega$ resistor in the circuit in Fig. P2.23 is 90 V , positive at the upper terminal.

- Find the power dissipated in each resistor.
- Find the power supplied by the 240 V ideal voltage source.
- Verify that the power supplied equals the total power dissipated.

Figure P2.23

