

- 1.27 Choose I_s such that the power absorbed by element 2 in Fig. P1.27 is 7 W.

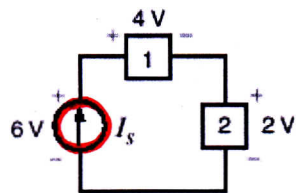


Figure P1.27

SOLUTION:

$$P_2 = 7 \text{ W absorbed}$$

$$P_2 = V_2 I_s$$

$$I_s = \frac{P_2}{V_2} = \frac{7}{2}$$

$$I_s = 3.5 \text{ A}$$