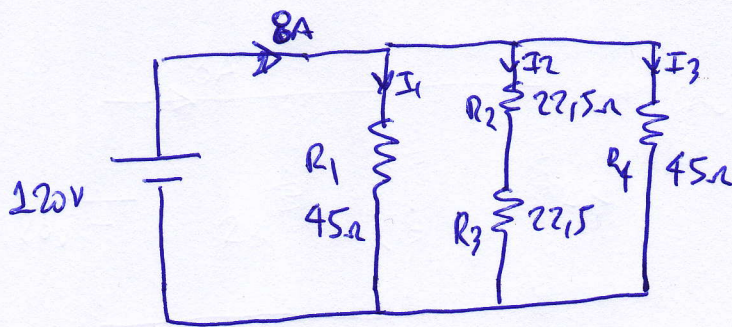


2



a)

$$P_F = V \cdot I = 120 \cdot 8 = \underline{960W.}$$

b)

$$I_1 = \frac{120V}{45\Omega} = 2,66A \quad I_2 = \frac{120V}{45\Omega} = 2,66A \quad I_3 = \frac{120V}{45\Omega} = 2,66A$$

$$P_{R1} = \frac{120^2}{45}$$

$$\downarrow$$

$$= 320W$$

$$P_{R2, R3} = \frac{60^2}{22,5}$$

$$\downarrow$$

$$= 160W.$$

$$P_{R4} = \frac{120^2}{45} =$$

$$\downarrow$$

$$= 320W.$$

$$P_F = P_{R1} + P_{R2} + P_{R3} + P_{R4}$$

$$960W = 320 + 160 + 160 + 320.$$

$960W = 960W$ ENTREGADOS ABSORBIDOS.
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