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ERIC GAMBRAH (2015736)

3iv Current through 1.35Ω resistor

$$V = IR$$

$$I = \frac{V}{R} = \frac{5.91}{1.35}$$

$$= \underline{\underline{4.37A}}$$

3v Resistor that transfers most energy.

$$= PD \text{ across } 1.5 \Omega$$

$$= 1.5 \times 12.060 \text{ (} V = IR \text{)}$$

$$= \underline{\underline{18.09V}}$$

PD across 0.82 , 1.35 , and 10.5 are equal

$$= 24.0V - 18.09$$

$$= \underline{\underline{5.91V}}$$

$\therefore$ the most energy transfer is at 1.5Ω