

P 4.3-5

$$\frac{v_a}{12} (i_1 + i_2) = v_a \left( \frac{v_a - v_b}{4} + \frac{v_a - v_c}{6} \right)$$
$$= 12 \left( \frac{12 - 9.882}{4} + \frac{12 - 5.294}{6} \right)$$

$$= 12 (0.5295 + 1.118) = 19.76 \text{ W}$$

