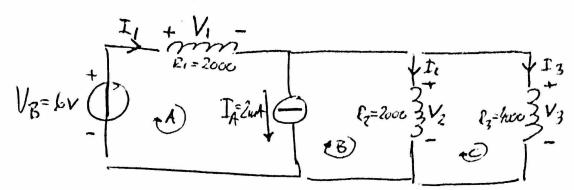
PROBLEM 4



$$I_{i} = \frac{V_{i}}{R_{i}}$$

$$I_{i} = \frac{10}{2000}$$

$$I_{i} = 0,005 A$$

$$I_2 = \frac{V_2}{R_2}$$

$$I_2 = \frac{4}{2000}$$

$$I_2 = 0.002 \text{ A}$$

$$T_2 = \frac{V_3}{R_2}$$
 $T_3 = \frac{V_3}{R_3}$ 
 $T_7 = \frac{4}{4000}$ 
 $T_2 = 0.002 A$ 
 $T_3 = 0.001 A$ 

a) 
$$P_1 = V_1 \cdot I_1 \rightarrow 10 \cdot 0.001 = 0.001 \rightarrow 10 \text{ mW}$$
  
 $P_2 = V_2 \cdot I_2 \rightarrow 4 \cdot 0.002 = 0.008 \rightarrow 8 \text{ mW}$   
 $P_3 = V_3 \cdot I_3 \rightarrow 4 \cdot 0.001 = 0.004 \rightarrow 4 \text{ mW}$