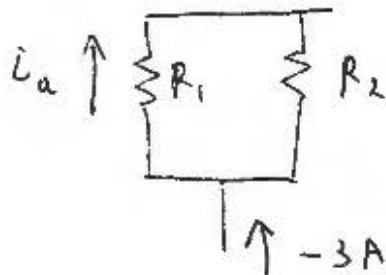
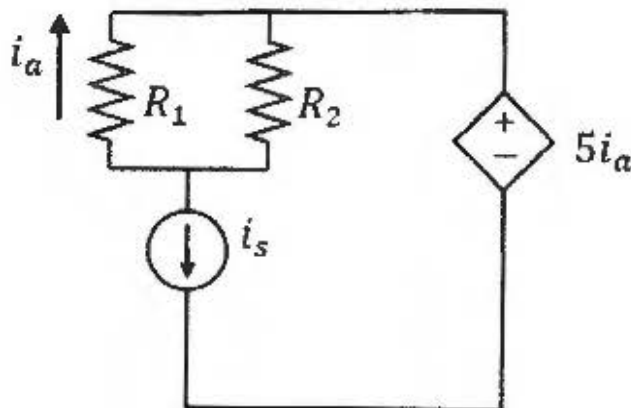


Find the power supplied by the dependent source.

$$R_1 = 14 \Omega$$

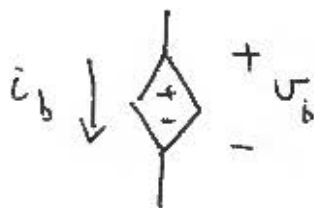
$$R_2 = 7 \Omega$$

$$i_s = 3 \text{ A}$$



CURRENT DIVIDER

$$i_a = (-3) \cdot \frac{R_2}{R_1 + R_2} = -3 \cdot \frac{7}{21} = -1 \text{ A}$$



$$v_b = 5i_a = -5 \text{ V}$$

$$i_b = -i_s = -3 \text{ A}$$

$$P = v_b i_b = 15 \text{ W}$$

RECEIVED

(PASSIVE SIGN  
CONVENTION)

$$\boxed{P = -15 \text{ W}} \text{ SUPPLIED}$$