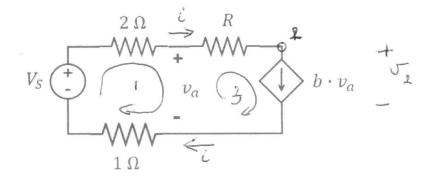
Find
$$v_a$$
.

What is the power *P* received by the dependent source?

$$Vs = 7 V$$

$$R = 2 \Omega$$

$$b = 2 A/V$$



$$KVLI: V_S = 2.i + v_a + 1.i \Rightarrow V_S = 3i + v_a$$
 (1)

(CL 2:
$$C = 80$$
 or $C = 7$. $C = 7$. $C = 1$)
$$V_S = 3b \sigma_a + \sigma_a = 7. \sigma_a \Rightarrow V_a = 1$$

$$V_S = 2. \sigma_a = 2 A$$

$$= 2A \downarrow \downarrow \uparrow -3V$$

$$P = (-3) \cdot 2 = -6$$