We measure v_1 and v_2 .

Determine the values of resistances R_2 and R_3 .

R1	=	1	2	Ω

$$R4 = 9 \Omega$$

$$R5 = 2 \Omega$$

$$vs = 24 V$$

$$v2 = 6 V$$

$$+ \bigvee_{\substack{i_1 \\ \downarrow i_1}} \underbrace{R_2} \xrightarrow{i_{k_3}} \underbrace{i_{k_1}} \underbrace{R_4} \xrightarrow{i_5} \underbrace{k_3} \underbrace{k_4} \underbrace{k_5} \underbrace{k_5} \underbrace{k_5} \underbrace{k_7} \underbrace{k_7}$$

$$C_1 = \frac{\sqrt{1}}{R_1} = \frac{12}{12} = 1$$

$$c_5 = \frac{c_2}{R_5} = \frac{6}{2} = 3$$

KVL1:
$$V_{S} = V_{R_{Y}} + V_{Z} \implies V_{R_{Y}} = V_{S} - V_{Z} = 24 - 6 = 18$$

$$L_{Y} = \frac{V_{R_{Y}}}{R_{U}} = \frac{13}{9} = 1$$

KVL 2:
$$V_1 = V_{R_3} + V_2 \implies V_{R_3} = V_1 - V_2 = 6$$

$$R_3 = \frac{V_{R_3}}{C_4} = \frac{C}{1} \implies R_3 = 6 \cdot \Omega$$

$$KCLb$$
. $\vec{c_1} + \vec{c_2} + \vec{c_3} = 0 \implies \vec{c_2} = -\vec{c_1} - \vec{c_3} = -1 - 1 = -2$

$$KVL 3: V_1 = V_{R_2} + V_S \implies V_{R_2} = V_1 - V_S = 12 - 24 = -12$$

$$R_2 = \frac{V_{R_2}}{G_2} = \frac{-12}{-2} \implies \boxed{R_2 = 6 \text{ s.c.}}$$