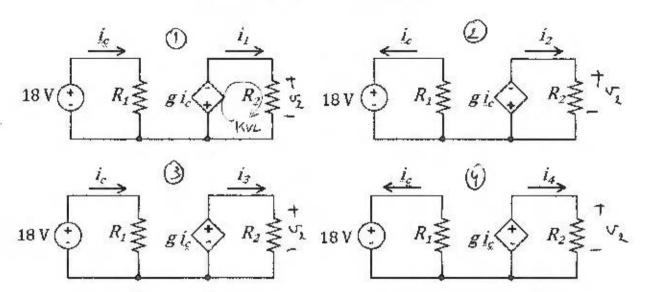
## Find the currents $i_1, i_2, i_3$ and $i_4$ .



$$R1 = 4 \Omega$$

$$R2 = 3 \Omega$$

$$g = 2 V/A$$

$$\underline{m0}. \quad L_c = \frac{18}{R_1} = 4.5 \, A$$

KVL in right feet. 
$$gi_c + V_1 = 0$$
  

$$\Rightarrow V_2 = -gi_c = -9V$$

$$i_1 = \frac{V_2}{R_1} = \frac{-9}{3} \Rightarrow [i_1 = -3A]$$

$$\frac{\dot{n}(2)}{\dot{c}_{1}} = -45A$$

$$\dot{c}_{1} = -9c_{2} = 9V$$

$$\dot{c}_{2} = \frac{\dot{c}_{1}}{R_{2}} = \frac{9}{3}$$

$$\dot{c}_{2} = 3A$$

$$\frac{m(3)}{V_2} \cdot i_c = 4.5A \qquad \underline{m(9)} \cdot i_c = -4.5B$$

$$V_2 = 9 \cdot c = 9 \cdot V$$

$$i_3 = \frac{V_1}{R_2} = \frac{9}{3}$$

$$i_4 = \frac{V_3}{R_2} = -\frac{9}{3}$$

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$$\frac{hQ}{v_2 = gi_c = -9v}$$
 $i_y = \frac{v_3}{R_2} = \frac{-9}{3}$ 
 $i_y = -3A$