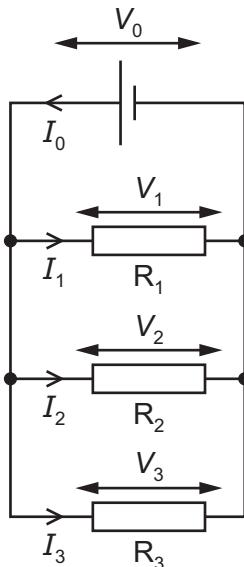


- 35** Three resistors, R_1 , R_2 and R_3 , are connected in parallel to a cell. The currents in the resistors are I_1 , I_2 and I_3 . The potential differences across the resistors are V_1 , V_2 and V_3 . The current in the cell is I_0 . The potential difference across the cell is V_0 , as shown.



Which equation can be obtained by applying Kirchhoff's second law to the circuit?

- A** $I_0 = I_1 = I_2 = I_3$
- B** $I_0 = I_1 + I_2 + I_3$
- C** $V_0 = V_1 = V_2 = V_3$
- D** $V_0 = V_1 + V_2 + V_3$