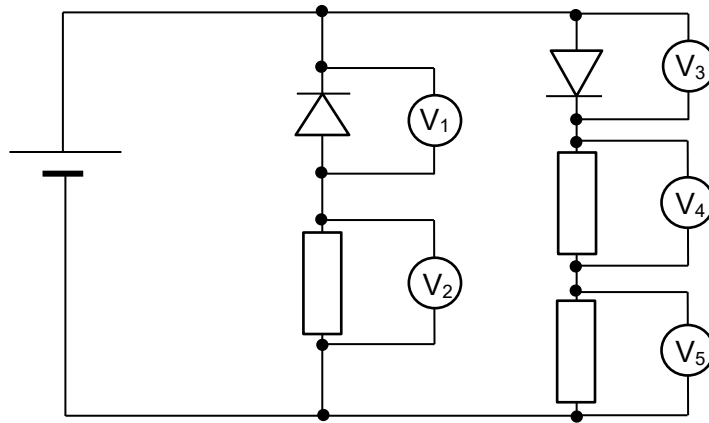


- 22** A circuit consisting of a battery, two ideal diodes and three identical resistors is shown below. The potential difference across each component is measured using ideal voltmeters.



Which statement is correct?

- A** The reading in  $V_1$  is zero.
- B** The reading in  $V_2$  is equal to the sum of the readings in  $V_4$  and  $V_5$ .
- C** The readings in  $V_2$  and  $V_3$  are the same.
- D** The readings in  $V_3$ ,  $V_4$  and  $V_5$  are the same.

