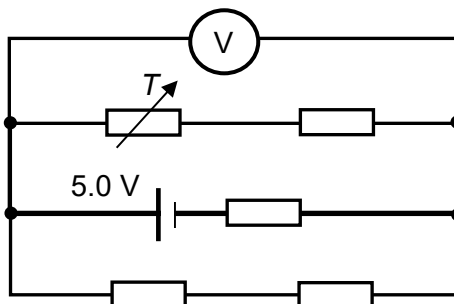


- 24** A cell of e.m.f. 5.0 V and negligible internal resistance is connected to four similar resistors and a variable resistor T , as shown.



The resistance of each resistor is $1.0\text{ k}\Omega$ and the resistance of T is $5.0\text{ k}\Omega$.

What is the reading of the ideal voltmeter?

- | | |
|-------------------------|-------------------------|
| A 0 V | B 2.0 V |
| C 3.0 V | D 5.0 V |

