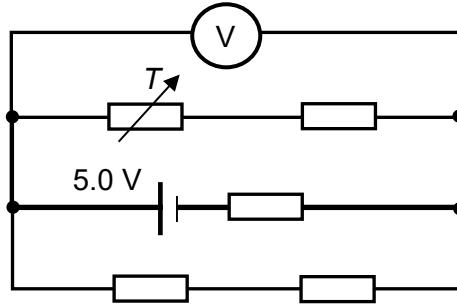


- 24** A cell of e.m.f. 5.0 V and negligible internal resistance is connected to four similar resistors and a variable resistor  $T$ , as shown.



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

