**36** Six resistors, each of resistance 5 Ω, are connected to a 2 V cell of negligible internal resistance.
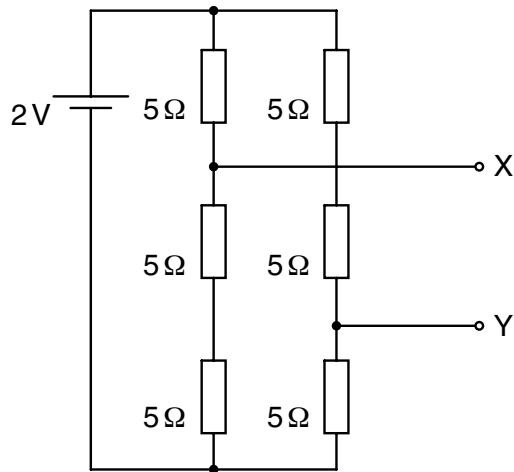


What is the potential difference between terminals X and Y?

**A** $\frac{2}{3}$ V **B** $\frac{8}{9}$ V **C** $\frac{4}{3}$ V **D** 2 V