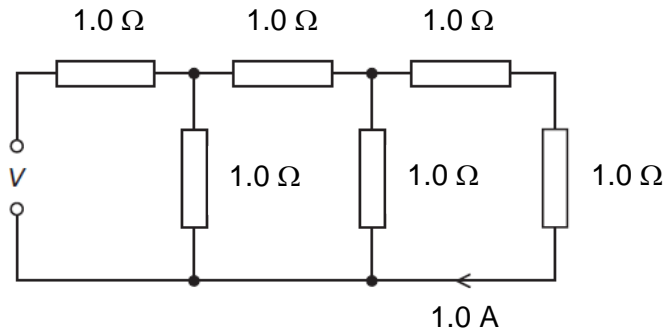


- 20** A network of resistors, each of resistance $1.0\ \Omega$, is connected as shown.



The current passing through the end resistor is $1.0\ \text{A}$.

What is the potential difference V across the input terminals?

- A** $2.0\ \text{V}$ **B** $5.0\ \text{V}$ **C** $8.0\ \text{V}$ **D** $13.0\ \text{V}$

- 21** Which graph shows the variation with time of the potential difference V of a filament lamp?