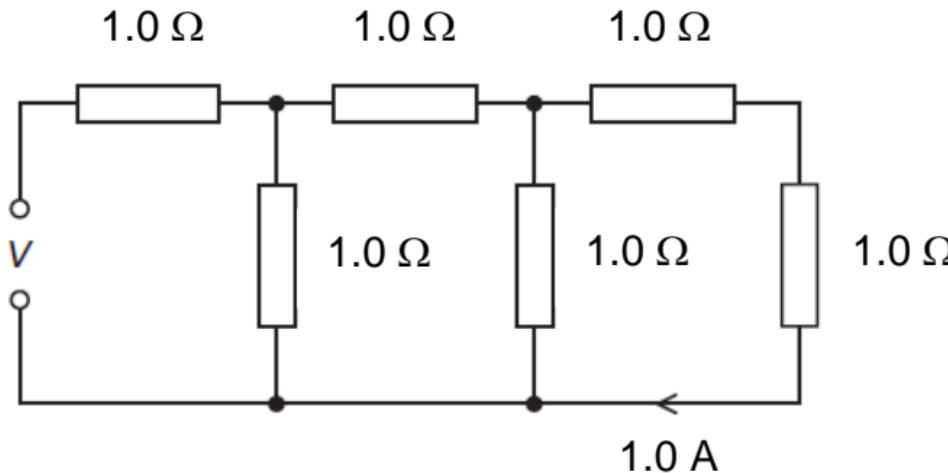


20 A network of resistors, each of resistance $1.0\ \Omega$, is connected as shown.



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

What is the potential difference V across the input terminals?

A $2.0\ V$

B $5.0\ V$

C $8.0\ V$

D $13.0\ V$