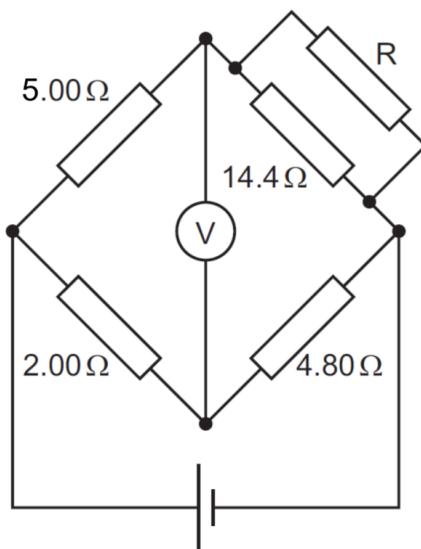


- 24** A cell of negligible internal resistance is connected to a network of resistors and a voltmeter, as shown.



The reading on the voltmeter is zero.

What is the resistance of resistor R?

**A**  $0\Omega$

**B**  $2.40\Omega$

**C**  $14.4\Omega$

**D**  $72.0\Omega$