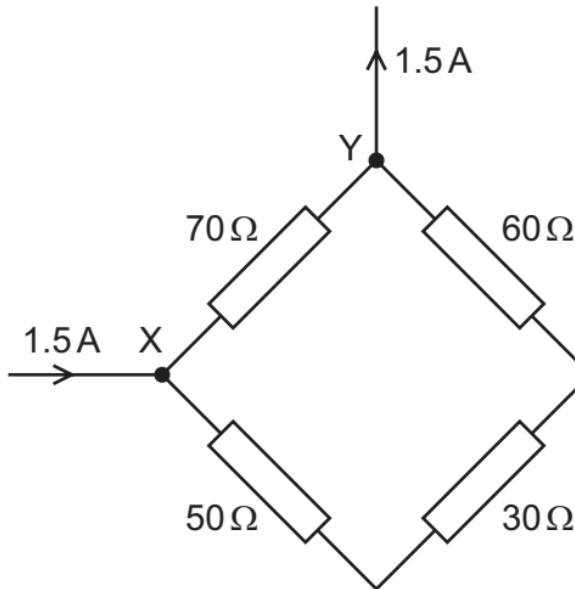


**34** Four different resistors are arranged as shown.

A current of 1.5 A enters the network at junction X and leaves through junction Y.



What is the current in the resistor of resistance 30 Ω?

**A** 0.21 A

**B** 0.50 A

**C** 0.75 A

**D** 1.0 A

**35** A cell of constant electromotive force drives a current  $I$  through an external resistor of