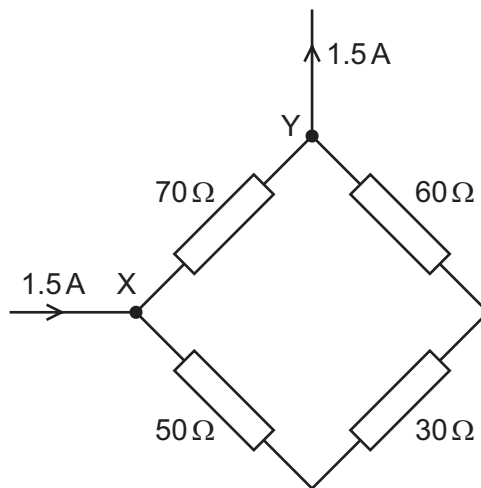


34 Four different resistors are arranged as shown.

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 $30\ \Omega$?

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