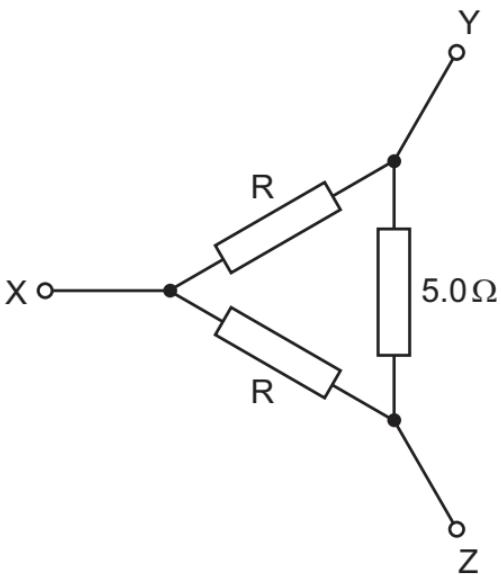


- 35 The diagram shows a network of three resistors. Two of these, marked R, are identical. The other resistor has a resistance of  $5.0\Omega$ .



The resistance between Y and Z is found to be  $2.5\Omega$ .

What is the resistance between X and Y?

A  $0.30\Omega$

B  $0.53\Omega$

C  $1.9\Omega$

D  $3.3\Omega$

- 36 The diagram shows a battery, a fixed resistor, an ammeter and a variable resistor connected in