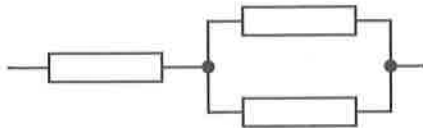


22 The circuit shows an arrangement of three resistors that have values $1\ \Omega$, $2\ \Omega$ and $3\ \Omega$.



What are the ranges of the maximum and minimum resistances that can be obtained with the three resistors used in this arrangement?

	maximum resistance	minimum resistance
A	between $2\ \Omega$ and $3\ \Omega$	between $1\ \Omega$ and $2\ \Omega$
B	between $2\ \Omega$ and $3\ \Omega$	between $2\ \Omega$ and $3\ \Omega$
C	between $3\ \Omega$ and $4\ \Omega$	between $1\ \Omega$ and $2\ \Omega$
D	between $3\ \Omega$ and $4\ \Omega$	between $2\ \Omega$ and $3\ \Omega$

23 The diagram shows a network of resistors each of resistance R