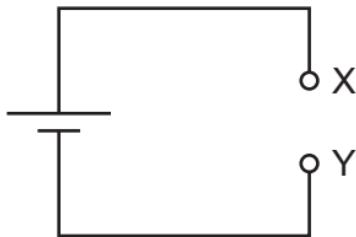


34 A circuit needs to be completed by connecting two resistors between points X and Y, as shown.

The resistors can be connected in series or in parallel with each other.



Which combination of resistors produces the least resistance between X and Y?

	resistances of resistors / Ω	type of combination
A	20 and 40	parallel
B	40 and 100	parallel
C	20 and 40	series
D	40 and 100	series

35 The diagram shows a circuit with three light bulbs. All switch and lead resistances are negligible.