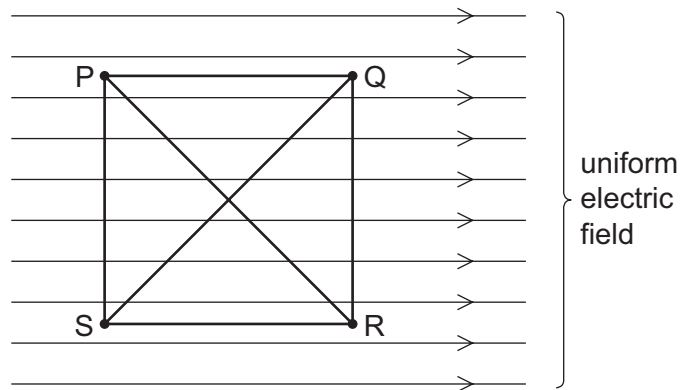


**13** A small positive charge can move inside a uniform electric field.



The charge moves along different straight paths between points P, Q, R and S.

Which row gives two paths that result in the same total work done on the charge?

	path 1	path 2
<b>A</b>	P to R	Q to S
<b>B</b>	P to R	P to S
<b>C</b>	S to Q	S to R
<b>D</b>	S to Q	R to P

**14** A small positive charge can move inside a uniform electric field. The diagram shows a square PQRS with a diagonal line PR. The charge moves from P to R and then from R to S. The total work done on the charge is 10 J. What is the work done on the charge as it moves from P to S?