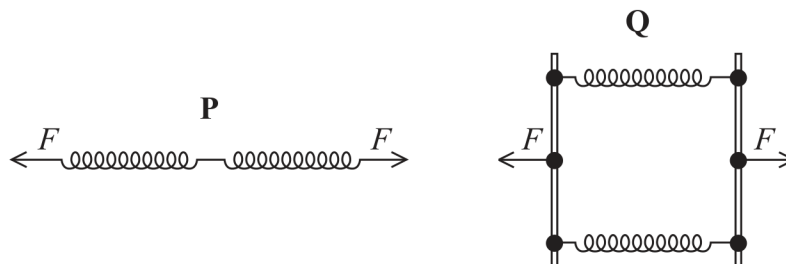


- 7 Two arrangements, **P** and **Q**, of identical springs are subjected to the same tensile force  $F$  as shown.



When one spring is subjected to a tensile force  $F$ , the elastic strain energy for the spring is  $E$ .

Which row of the table gives the total elastic strain energy for each arrangement?

	<b>P</b>	<b>Q</b>
<input type="checkbox"/> <b>A</b>	$\frac{1}{2}E$	$2E$
<input type="checkbox"/> <b>B</b>	$\frac{1}{2}E$	$\frac{1}{2}E$
<input type="checkbox"/> <b>C</b>	$2E$	$2E$
<input type="checkbox"/> <b>D</b>	$2E$	$\frac{1}{2}E$