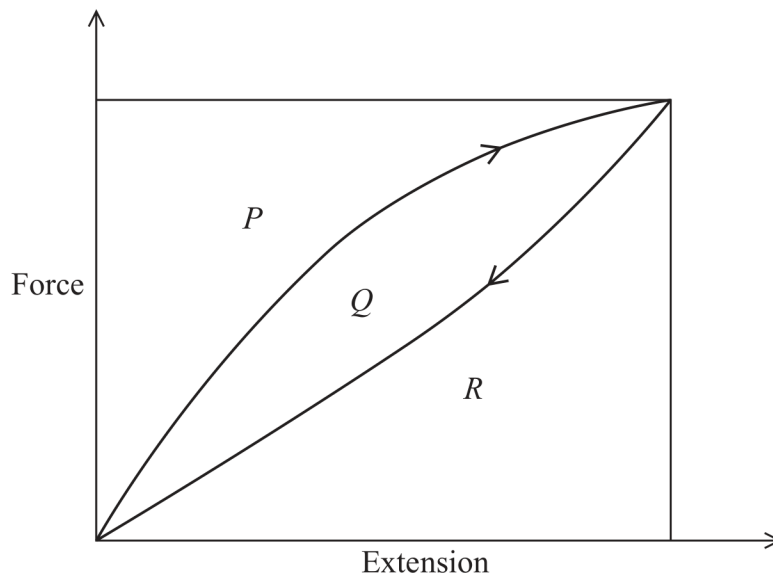


- 6 A rubber band is initially stretched by an increasing force. When the force is gradually decreased, the rubber band returns to its original length.

The force-extension graph for the rubber band is shown.



$P$ ,  $Q$  and  $R$  represent different areas of the graph.

Which of the following gives the work done in stretching the rubber band up to its maximum extension?

- ☐ A  $P + Q$
- ☐ B  $Q + R$
- ☐ C  $R$
- ☐ D  $Q$

(Total for Question 6 = 1 mark)