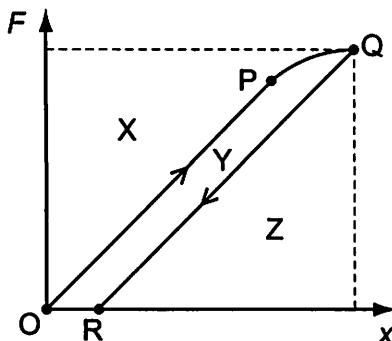


- 11 A metal wire is stretched by a varying force  $F$ , causing its extension  $x$  to increase as shown by the line OPQ on the graph. The force is then gradually reduced to zero and the relation between force and extension is indicated by line QR.



Which area represents the elastic potential energy stored in the wire at Q?

A X

B Y

C Z

D Y + Z