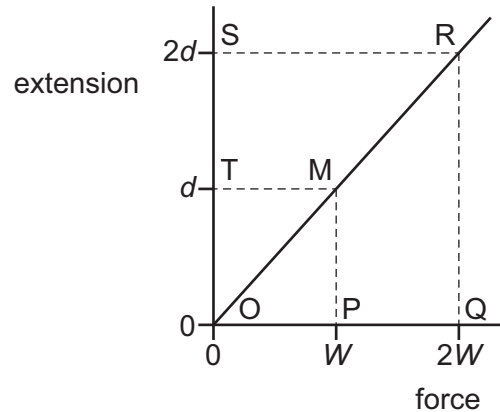


- 20** A wire is extended by a force. The graph shows how the extension of the wire varies with the force applied.



Initially a force  $W$  gives an extension  $d$ . The force is then increased to  $2W$ . This increases the extension to  $2d$ .

Which area of the graph represents the work done by the force when the force increases from  $W$  to  $2W$ ?

- A** ORQ      **B** OQRS      **C** ORS      **D** TMRS