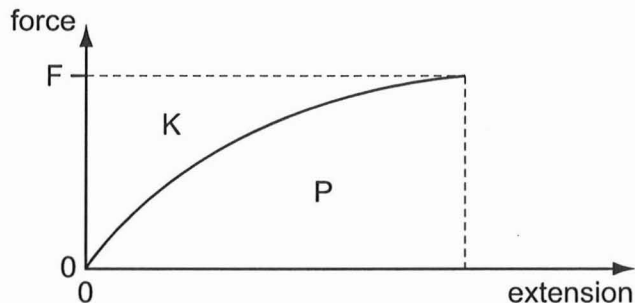
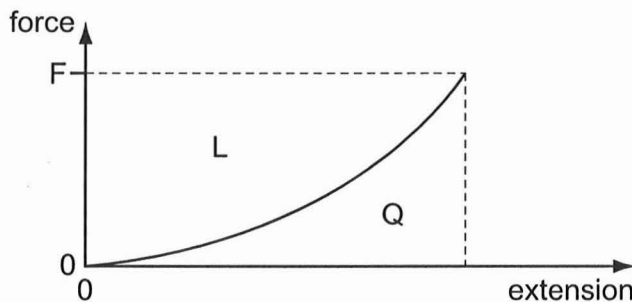


- 7 A long nylon fibre is stretched by a force that is increased from zero to a final value  $F$ . The force-extension graph obtained for this process is shown below.



When the force is subsequently reduced from  $F$  to zero, the force-extension graph obtained is shown below.



Which combination of areas from these graphs gives the net work done on the fibre?

**A**  $K - L$

**B**  $K + L$

**C**  $P - Q$

**D**  $P + Q$