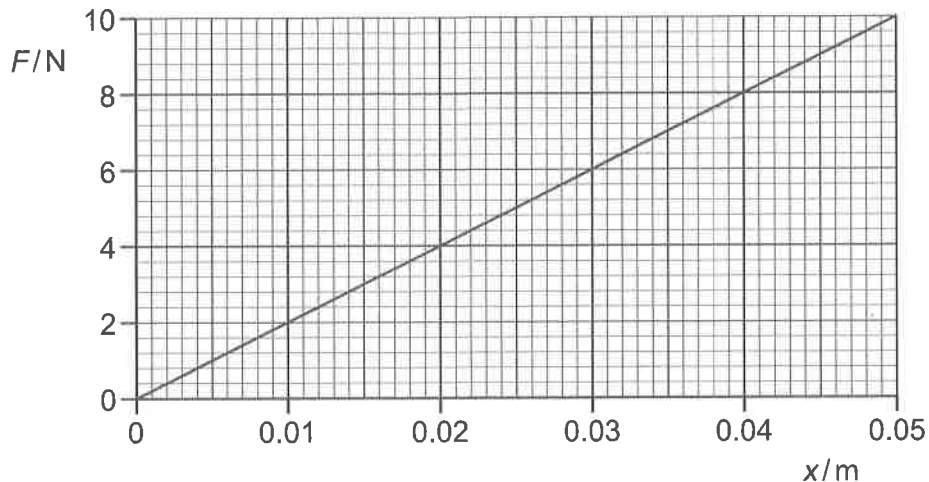


11 The graph shows the variation of extension  $x$  of the spring with load  $F$ .



A load of 6.0 N is suspended from the spring.

How much additional elastic potential energy will be stored in the spring if it is then extended a further 0.010 m?

**A** 0.010 J

**B** 0.070 J

**C** 0.080 J

**D** 0.16 J

12 Which statement about forces is correct?