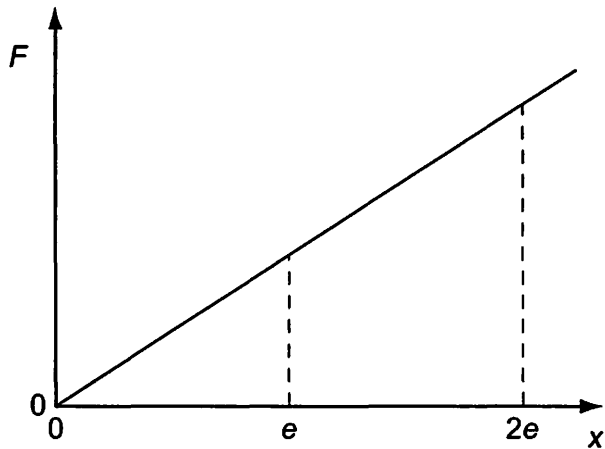


12 The extension x of a particular spring is related to the stretching force as shown in the graph.



When the extension of the spring is e , the elastic potential energy stored in the spring is E .

What is the increase in the elastic potential energy when the extension is increased from e to $2e$?

A E

B $2E$

C $3E$

D $4E$