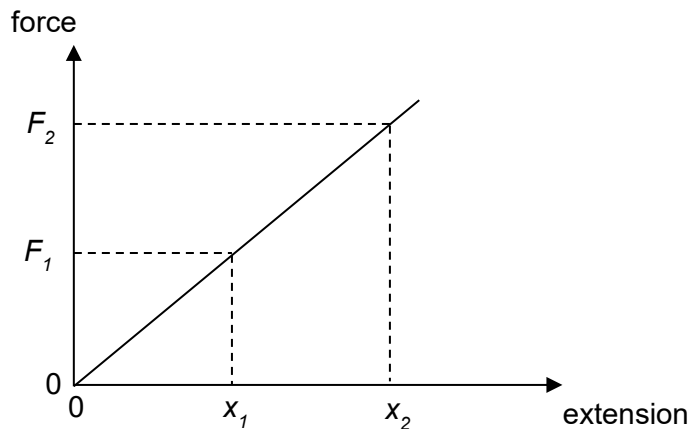


- 6 The force-extension graph of a spring is as shown.



What is the change in elastic potential energy when the extension of the spring is increased from x_1 to x_2 ?

- | | |
|--------------------------------|--------------------------------------|
| A $F_2x_2 - F_1x_1$ | B $0.5 (F_2x_2 - F_1x_1)$ |
| C $F_2x_2^2 - F_1x_1^2$ | D $0.5 (F_2x_2^2 - F_1x_1^2)$ |

