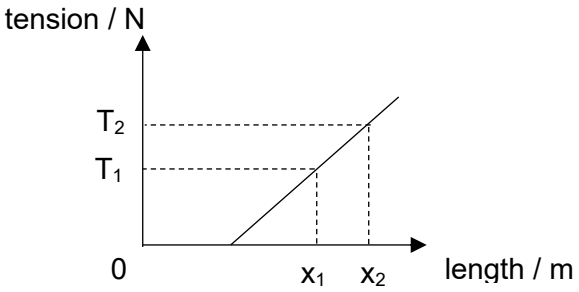
7 The graph below shows how the length of a wire changes with the tension in the wire.



What is the extra energy stored in the wire when the tension is increased from T_1 to T_2?

A $\frac{1}{2}(T_2 + T_1)(x_2 - x_1)$

B $\frac{1}{2}(T_2 + T_1)(x_2 + x_1)$

C $\frac{1}{4}(T_2 + T_1)(x_2 - x_1)$

D $\frac{1}{4}(T_2 + T_1)(x_2 + x_1)$