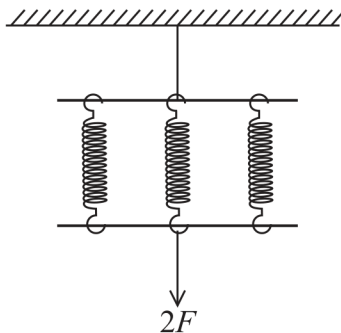


- 8 When a certain spring is stretched by a tensile force  $F$ , the elastic energy stored in the spring is  $E$ .

Three of these springs are arranged in parallel and stretched by a tensile force of  $2F$ , as shown.



Which of the following expressions gives the elastic energy stored in the parallel system?

- ☐ A  $\frac{1}{3}E$
- ☐ B  $\frac{2}{3}E$
- ☐ C  $\frac{4}{3}E$
- ☐ D  $2E$

(Total for Question 8 = 1 mark)