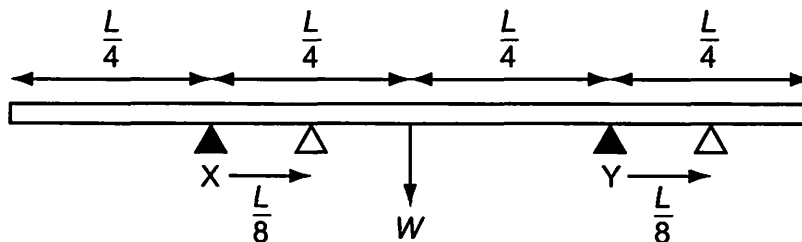


- 11 A uniform plank, of weight W and length L is supported at points X and Y, each at distances $\frac{L}{4}$ from the ends of the plank.



What will be the increase of the force on the plank exerted by support X if both X and Y are moved a distance $\frac{L}{8}$ to the right from their original positions?

- A $\frac{W}{16}$ B $\frac{W}{8}$ C $\frac{W}{4}$ D $W(\frac{5}{16})$

