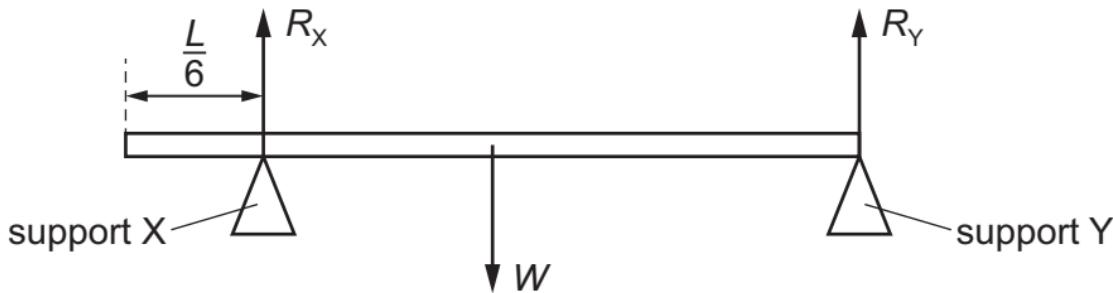


12 A uniform bar of length L and weight W rests horizontally on two supports X and Y.



Support X exerts a vertical force R_x at a distance of $\frac{L}{6}$ from one end of the bar.

Support Y exerts a vertical force R_y at the other end of the bar.

The bar is in equilibrium.

What is the ratio $\frac{R_x}{R_y}$?

A $\frac{3}{2}$

B $\frac{2}{3}$

C $\frac{3}{5}$

D $\frac{2}{5}$