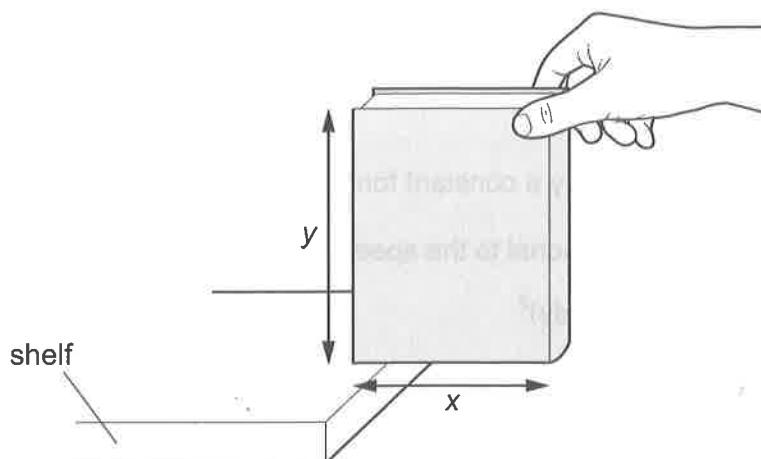


- 12 A student pulls a book from a shelf by its top corner, holding it between his forefinger and thumb. The book is uniform and has weight  $W$  and dimensions  $x$  and  $y$  as shown.



What moment must the student provide at the corner of the book to stop it from rotating just before it leaves the shelf?

- A  $\frac{Wy}{2}$  anticlockwise
- B  $\frac{Wx}{2}$  anticlockwise
- C  $\frac{W(y - x)}{2}$  clockwise
- D  $Wx$  anticlockwise