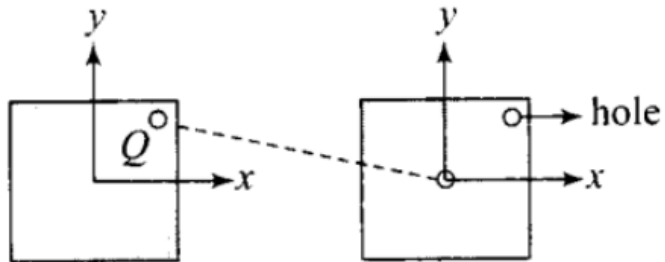


7.5 A uniform square plate has a small piece Q of an irregular shape removed and glued to the centre of the plate leaving a hole behind in figure. The moment of inertia about the z -axis is then

- (a) increased
- (b) decreased
- (c) the same
- (d) changed in unpredicted manner



Solution: (b) decreased