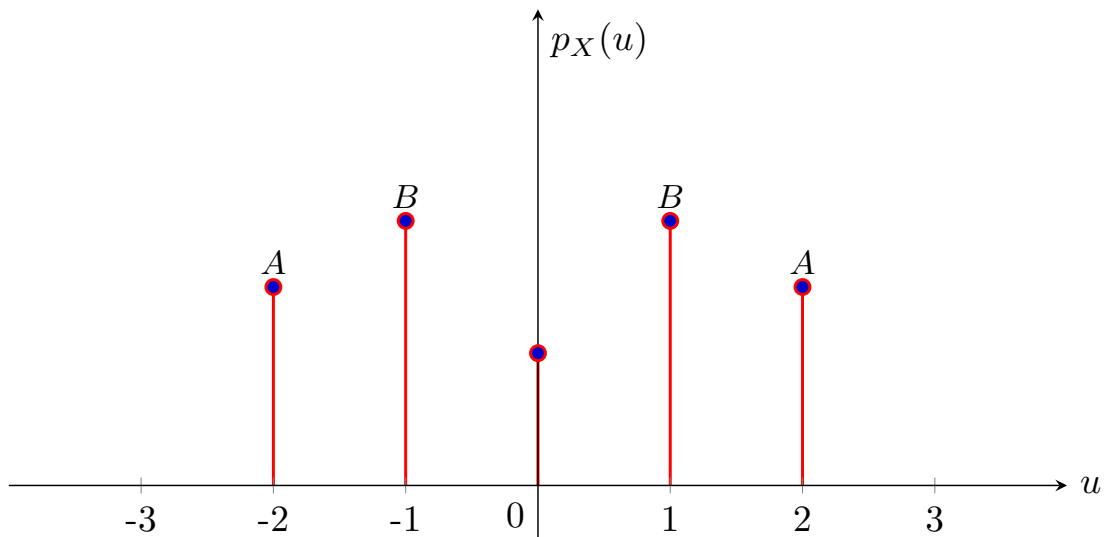


What is the variance of a random variable whose probability mass function (pmf) is shown below, where  $A = 3/16$  and  $B = 1/4$ ?



- (a) 2
- (b) 4
- (c) 1
- (d)  $1/2$
- (e)  $1/4$
- (f)  $1/16$
- (g)  $\sqrt{2}$
- (h)  $3/4$
- (i) 10
- (j) 0
- (k)  $5/16$
- (l) 3
- (m) None of these