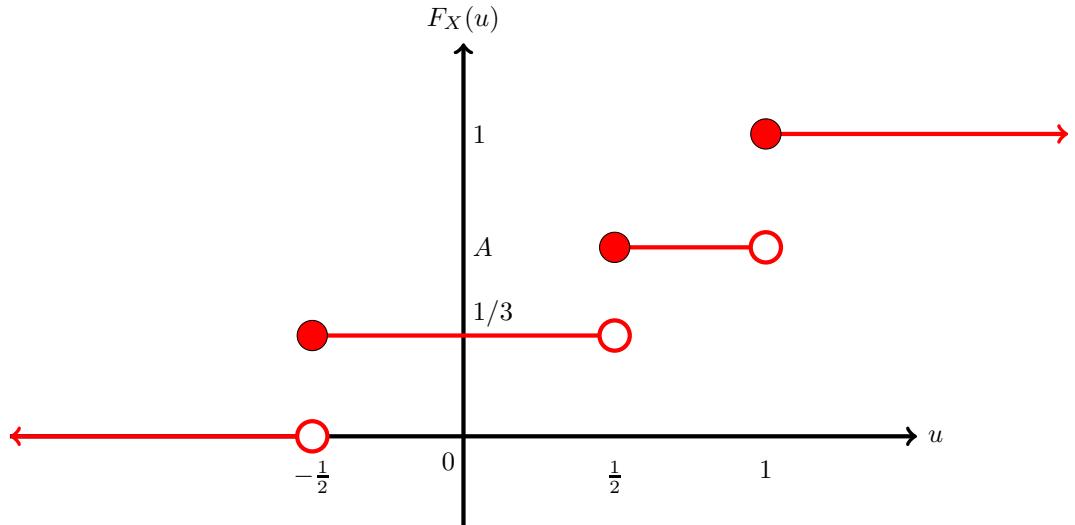


The cumulative distribution function of a random variable  $X$  is shown below. If the probability that  $|X - \frac{1}{2}| > \frac{1}{4}$  equals  $\frac{1}{2}$ , then what is the value of  $A$  ?



- (a)  $5/6$
- (b) None of these
- (c)  $1/2$
- (d)  $1/4$
- (e)  $5/8$
- (f)  $3/8$
- (g)  $3/4$
- (h)  $2/3$
- (i)  $1/8$
- (j)  $1/6$
- (k)  $1$
- (l)  $5/16$