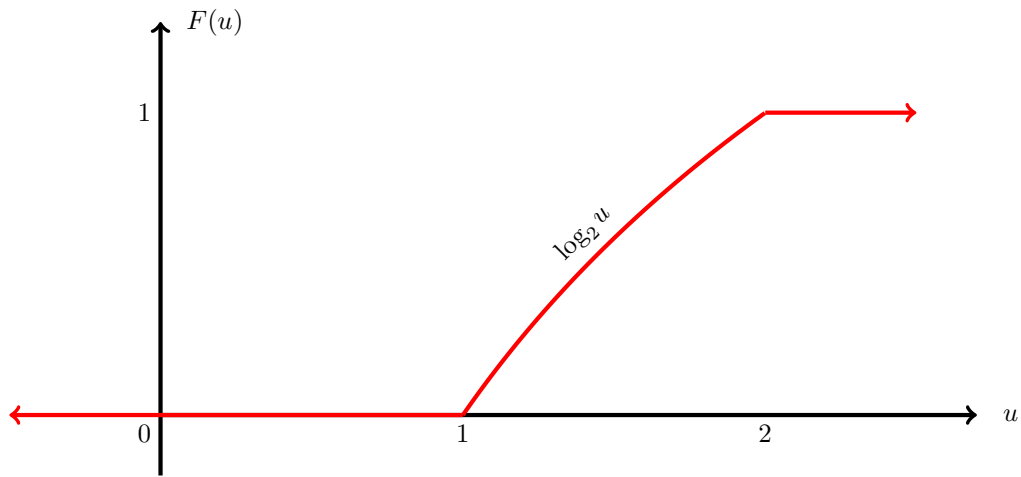


What is the expected value of a random variable whose cumulative distribution function is shown below?



- (a)  $\log_2 e$
- (b)  $3/2$
- (c)  $1/3$
- (d)  $\log_2 3$
- (e)  $\ln 2$
- (f)  $1/2$
- (g)  $3/4$
- (h)  $2/3$
- (i)  $1/4$
- (j)  $\ln 3$
- (k)  $1$
- (l)  $0$
- (m) None of these.