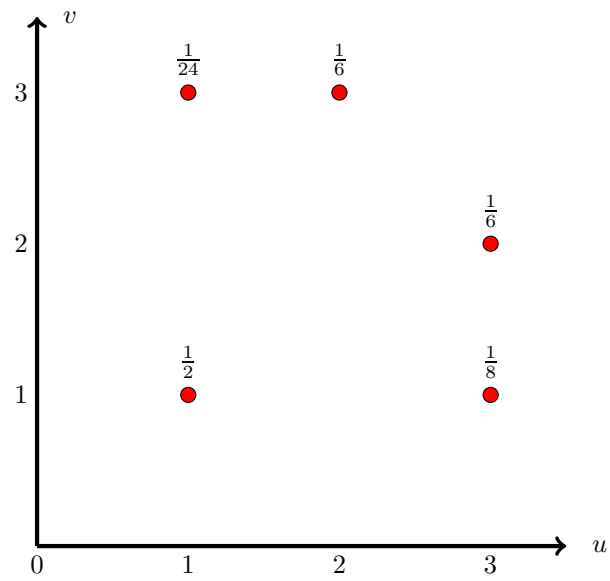


If,  $X$  and  $Y$  have joint probability mass function shown below, then what is the expected value of  $\max(X, Y)$  ?



- (a) 2
- (b) 3
- (c) 1
- (d)  $3/2$
- (e)  $4/3$
- (f)  $5/2$
- (g)  $25/24$
- (h)  $8/5$
- (i)  $5/8$
- (j)  $7/4$
- (k)  $9/5$
- (l) None of these