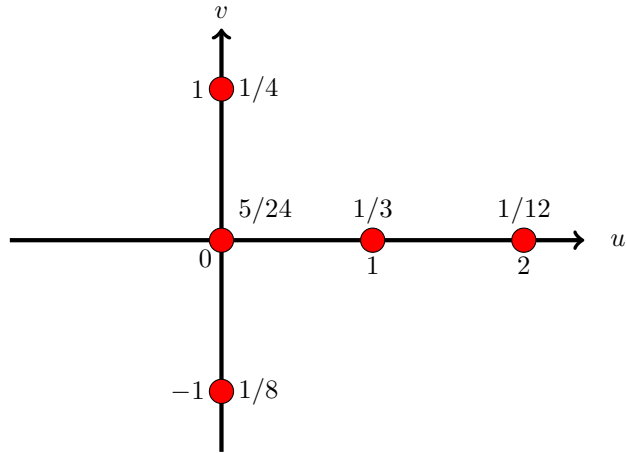


(Note: The same setup is used for all three problems.)

Random variables X and Y have the joint probability mass function shown below. What is the probability that $\max(X, Y)$ is larger than $1/12$?

$$p_{X,Y}(u, v)$$



- (a) $2/3$
- (b) $7/8$
- (c) $5/8$
- (d) $17/24$
- (e) $11/12$
- (f) $19/24$
- (g) $1/3$
- (h) $1/8$
- (i) $3/8$
- (j) $3/5$
- (k) 1
- (l) None of these