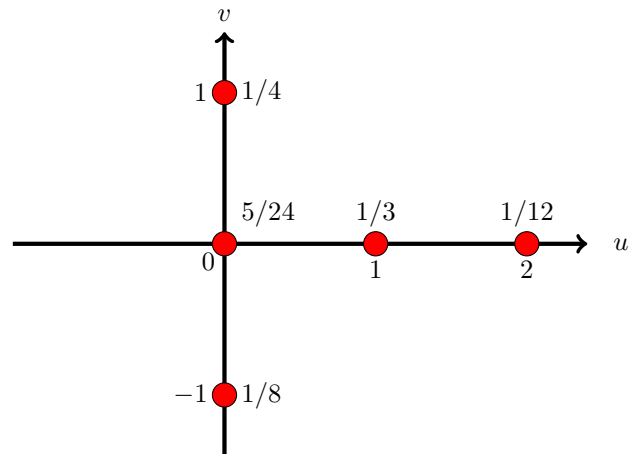


Random variables X and Y have the joint probability mass function shown below. What is their correlation coefficient?

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



- (a) $-\sqrt{3/115}$
- (b) $\sqrt{3/115}$
- (c) $-3/115$
- (d) $-1/16$
- (e) $1/16$
- (f) $-1/4$
- (g) $1/4$
- (h) $-\sqrt{6}/8$
- (i) $\sqrt{6}/8$
- (j) 1
- (k) 0
- (l) None of these