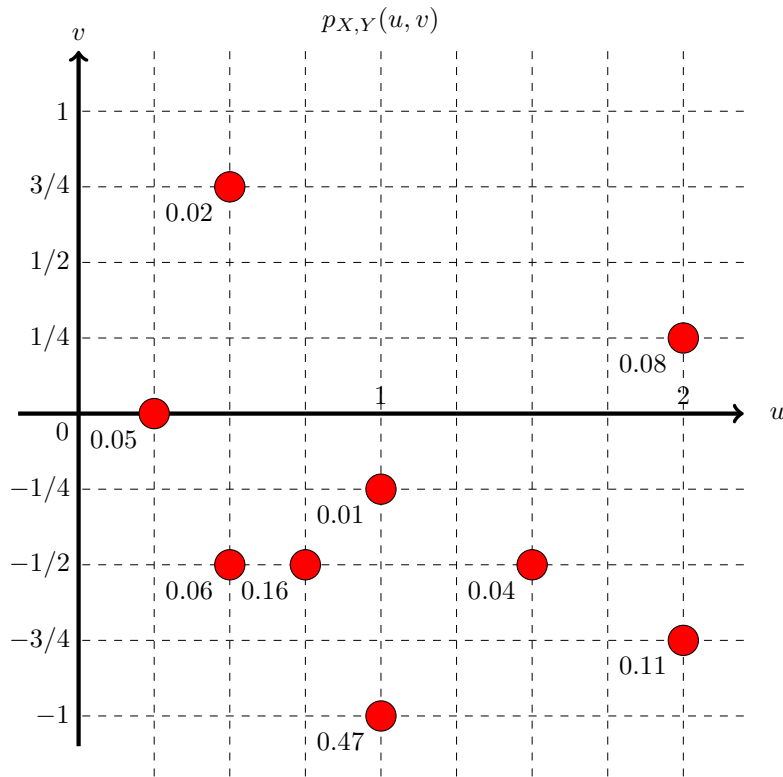


Suppose random variables X and Y have joint probability mass function shown below. What is the probability that Y is smaller than $\sin(\pi X)$?



- (a) 0.88
- (b) 0.82
- (c) 0.96
- (d) 0.12
- (e) 0.18
- (f) 0.04
- (g) 0.88
- (h) 0.90
- (i) 0.86
- (j) 0.02
- (k) 1
- (l) 0
- (m) None of these