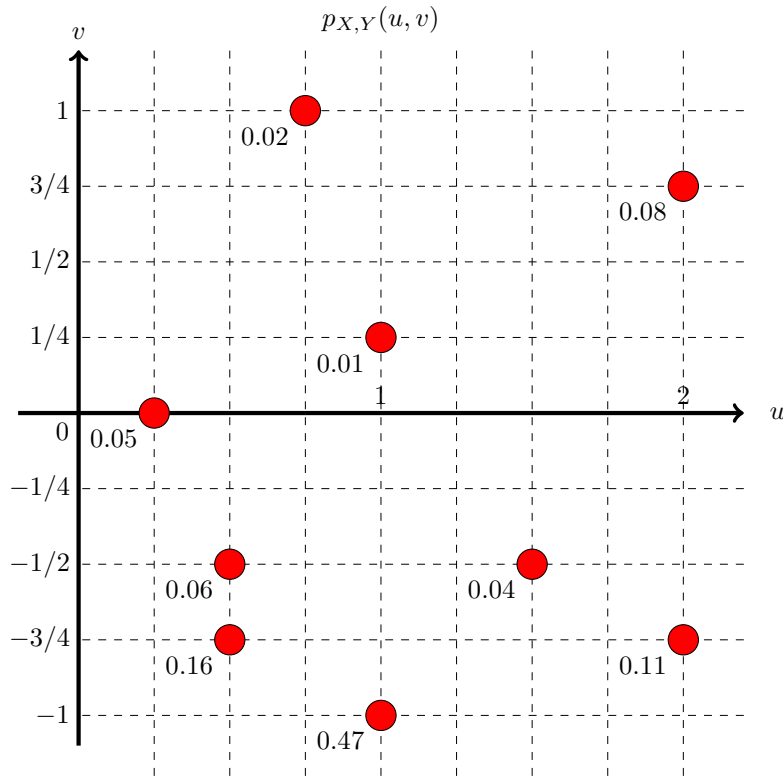Random variables X and Y have the joint probability mass function shown below. What is the probability that Y is greater than $\sin(2\pi X)$?

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

(a) 0.11

(b) 0.10

(c) 0.02

(d) 0.08

(e) 0.01

(f) 0.16

(g) 0.15

(h) 0.17

(i) 0.22

(j) 0.26

(k) 0

(l) None of these