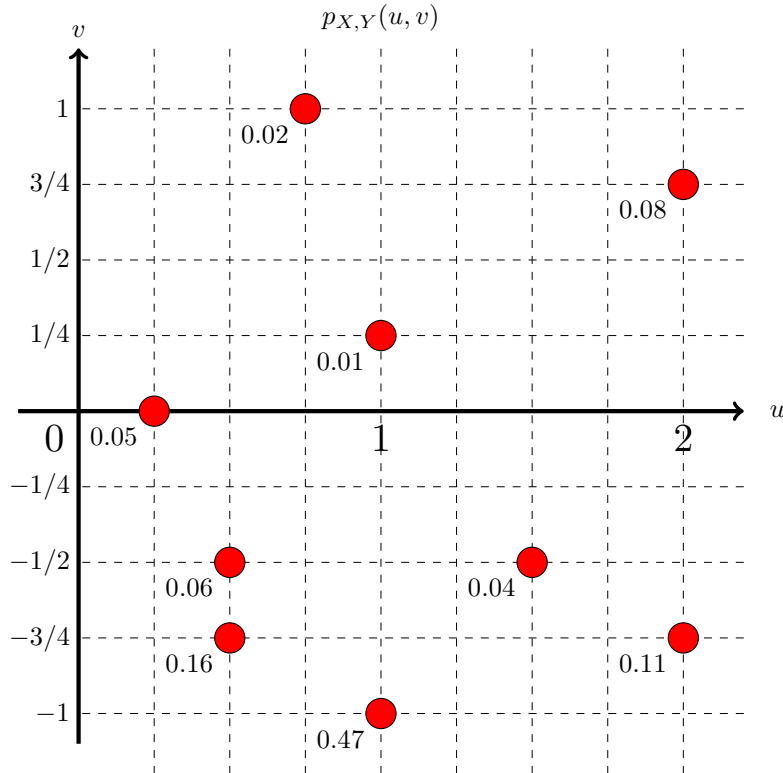


Random variables X and Y have the joint probability mass function $p_{X,Y}(u, v)$ shown below, joint cumulative distribution function $F_{X,Y}(u, v)$, and marginal probability mass functions $p_X(u)$ and $p_Y(v)$. What is the value of $p_Y(-2^{-1}) + F_{X,Y}(2^{100}, 2^{-100})$?



- (a) 0.99
- (b) 0.90
- (c) 0.89
- (d) 0.94
- (e) 1.11
- (f) 0.98
- (g) 0.1
- (h) 1.08
- (i) 0.12
- (j) 1.37
- (k) 0.06
- (l) None of these