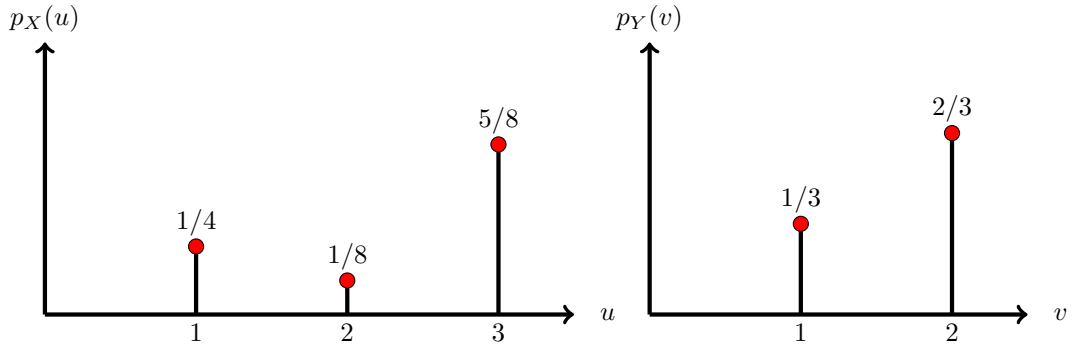
Suppose X and Y are independent random variables whose probability mass functions are shown below. What is the probability that X is larger than Y^2?



(a) 1/4

(b) 1/2

(c) 1/3

(d) 1/6

(e) 1/8

(f) 1/12

(g) 3/4

(h) 2/3

(i) 3/8

(j) 1/24

(k) 5/24

(l) None of these