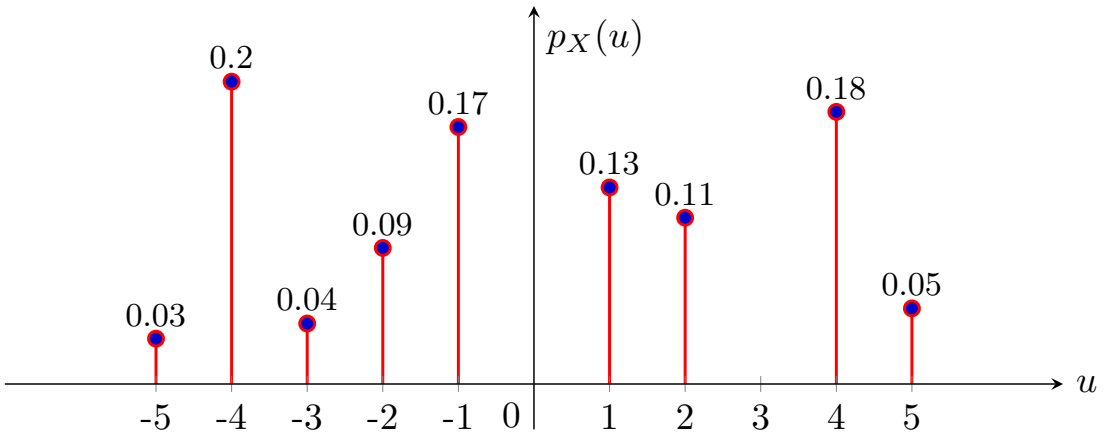
Let X be a discrete random variable whose probability mass function is shown below. What is the probability that $2X + 9$ is positive, given that $X + \pi$ is negative?



(a) 20/23

(b) 23/100

(c) 3/100

(d) 0

(e) 3/23

(f) 4/27

(g) 27/100

(h) 1/5

(i) 1

(j) None of these