

Suppose three fair 6-sided dice are tossed. One die is red, another is blue, and the third one is green. What is the probability that the sum of the red and green dice values is less than 4, given the blue die value is larger than 3 ?

- (a)  $1/12$
- (b)  $1/6$
- (c)  $1/3$
- (d)  $1/4$
- (e)  $2/3$
- (f)  $1/18$
- (g)  $1/36$
- (h)  $1/2$
- (i)  $3/4$
- (j)  $5/6$
- (k)  $5/36$
- (l) None of these