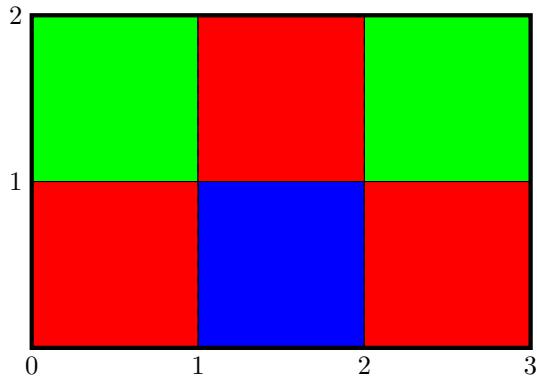


If two points are independently chosen uniformly at random from inside the tri-colored rectangle shown below, then what is the probability they will be in the same colored region?



- (a)  $7/18$
- (b)  $7/9$
- (c)  $7/36$
- (d)  $11/18$
- (e)  $5/6$
- (f)  $1/6$
- (g)  $1/3$
- (h)  $1/2$
- (i)  $1/4$
- (j)  $1/9$
- (k)  $1/18$
- (l) None of these