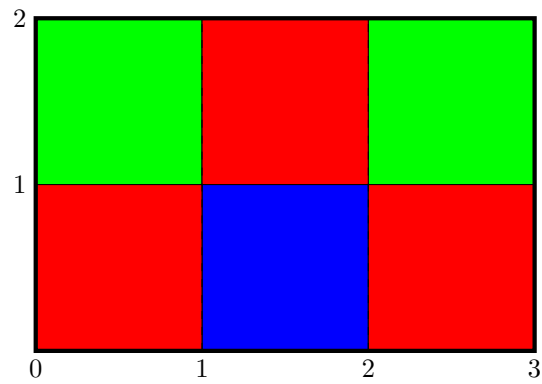


If two points are independently chosen uniformly at random from inside the tri-colored rectangle shown below, then what is the probability they will be in the same colored region?



- (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