

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     let UP = "up"
5     let DOWN = "down"
6     let LEFT = "left"
7     let RIGHT = "right"
8
9     func coordToString(_ coord: [Int]) -> String {
10         let x = coord[0]
11         let y = coord[1]
12
13         return "\(x)-\(y)"
14     }
15
16     // O(n^2) time | O(n) space
17     func rectangleMania(_ coords: [[Int]]) -> Int {
18         let coordsTable = getCoordsTable(coords)
19         return getRectangleCount(coords, coordsTable)
20     }
21
22     func getCoordsTable(_ coords: [[Int]]) -> [String: Bool] {
23         var coordsTable = [String: Bool]()
24
25         for coord in coords {
26             let coordString = coordToString(coord)
27             coordsTable[coordString] = true
28         }
29
30         return coordsTable
31     }
32
33     func getRectangleCount(_ coords: [[Int]], _ coordsTable: [String:
```

Solution 1Solution 2Solution 3

```
1 class Program {
2     func rectangleMania(_ coords: [[Int]]) -> Int {
3         // Write your code here.
4         return -1
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

```
1 class Program {
2     func rectangleMania(_ coords: [[Int]]) -> Int {
3         // Write your code here.
4         return -1
5     }
6 }
```

```
1 class Program {
2     func rectangleMania(_ coords: [[Int]]) -> Int {
3         // Write your code here.
4         return -1
5     }
6 }
```

```

10 #return float type 0% if 0, 100% if 100
11 def secondRound = (20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
12 def secondRound(20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
13 }
14 #return float type 0% if 0, 100% if 100
15 def thirdRound = (20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
16 def thirdRound(20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
17 }
18 #return float type 0% if 0, 100% if 100
19 def fourthRound = (20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
20 def fourthRound(20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
21 }
22 #return float type 0% if 0, 100% if 100
23 def fifthRound = (20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
24 def fifthRound(20, 40, 30, 50, 10, 60, 20, 40, 10, 30)
25 }

```

Run or submit code when you're ready.