Our Solution(s)   Run Code

```swift
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:
```

Your Solutions   Run Code

```swift
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

Run or submit code when you're ready.