Our Solution(s) | Run Code

Solution 1   Solution 2   Solution 3

```swift
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class Program {
    let UP = "up"
    let DOWN = "down"
    let LEFT = "left"
    let RIGHT = "right"

    func coordToString(_ coord: [Int]) -> String {
        let x = coord[0]
        let y = coord[1]

        return "\(x)-\(y)"
    }

    // O(n^2) time | O(n^2) space
    func rectangleMania(_ coords: [[Int]]) -> Int {
        let coordsTable = getCoordsTable(coords)
        return getRectangleCount(coords, coordsTable)
    }

    func getCoordsTable(_ coords: [[Int]]) -> [String: [String: [[Int]
        var coordsTable = [String: [String: [[Int]]]]()

        for coord1 in coords {
            var coord1Directions: [String: [[Int]]] = [UP: [], DOWN:

            for coord2 in coords {
                let coord2Direction = getCoordDirection(coord1, coord2

                if var coordinatesForDirection = coord1Directions[coor
                    coordinatesForDirection.append(coord2)
                    coord1Directions[coord2Direction] = coordinatesFor
```

Your Solutions | Run Code

Solution 1   Solution 2   Solution 3

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

Our Tests

Custom Output | Submit Code