31

32 33 const [x1, y1] = coord1; if (direction === DOWN) {

const relevantCoords = coordsTable.x[x1];

14рх

Your Solutions

Run Code

Our Solution(s) Run Code

```
Solution 1 Solution 2 Solution 3
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 // O(n^2) time | O(n) space - where n is the number of coordinates
4 function rectangleMania(coords) {
   const coordsTable = getCoordsTable(coords);
    return getRectangleCount(coords, coordsTable);
7 }
8
9 function getCoordsTable(coords) {
10
   const coordsTable = {x: {}, y: {}};
    for (const coord of coords) \{
11
      const [x, y] = coord;
12
13
      coordsTable.x[x] = coordsTable.x[x] || [];
      coordsTable.x[x].push(coord);
14
15
      coordsTable.y[y] = coordsTable.y[y] || [];
16
      coordsTable.y[y].push(coord);
17
18
     return coordsTable;
19 }
20
21 function getRectangleCount(coords, coordsTable) {
22
     let rectangleCount = 0;
23
     for (const coord of coords) {
      const lowerLeftY = coord[1];
25
      rectangleCount += clockwiseCountRectangles(coord, coordsTable, UP,
26
27
     return rectangleCount;
28 }
29
```

```
Solution 1 Solution 2 Solution 3
1 function rectangleMania(coords) {
    // Write your code here.
5 // Do not edit the line below.
6 exports.rectangleMania = rectangleMania;
```

Run or submit code when you're ready.

for each program to heightful contract. In this soul in-

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