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Solution 1 Solution 2 Solution 3

Our Solution(s) Run

```
Run Code
```

Your Solutions

Run Code

```
Solution 1 Solution 2
                          Solution 3
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
     // O(n^2) time \mid O(n) space - where n is the number of coordinates
     public static int rectangleMania(Point[] coords) {
        Set<String> coordsTable = getCoordsTable(coords);
9
        return getRectangleCount(coords, coordsTable);
10
11
12
     public static Set<String> getCoordsTable(Point[] coords) {
        Set<String> coordsTable = new HashSet<String>();
14
        for (Point coord : coords) {
15
         String coordString = coordToString(coord);
16
         coordsTable.add(coordString);
17
18
       return coordsTable;
19
20
     public static int getRectangleCount(Point[] coords, Set<String> coor
21
        int rectangleCount = 0;
23
        for (Point coord1 : coords) {
24
          for (Point coord2 : coords) {
25
            if (!isInUpperRight(coord1, coord2)) continue;
26
            String upperCoordString = coordToString(new Point(coord1.x, co
27
            String rightCoordString = coordToString(new Point(coord2.x, co
28
            if (coordsTable.contains(upperCoordString) && coordsTable.cont
29
              rectangleCount++;
30
31
        return rectangleCount;
33
```

```
1 class Program {
     public static int rectangleMania(Point[] coords) {
       // Write your code here.
       return -1;
     static class Point {
       public int x;
       public int y;
10
       public Point(int x, int y) {
11
12
         this.x = x;
13
         this.y = y;
14
15
16 }
17
```

 Our Tests
 Custom Output
 Submit Code

Run or submit code when you're ready.