Our Solution(s)   Run Code

Solution 1   **Solution 2**   **Solution 3**

```python
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# O(n^2) time | O(n) space - where n is the number of coordinates
def rectangleMania(coords):
    coordsTable = getCoordsTable(coords)
    return getRectangleCount(coords, coordsTable)


def getCoordsTable(coords):
    coordsTable = {}
    for coord in coords:
        coordString = coordToString(coord)
        coordsTable[coordString] = True
    return coordsTable


def getRectangleCount(coords, coordsTable):
    rectangleCount = 0
    for x1, y1 in coords:
        for x2, y2 in coords:
            if not isInUpperRight([x1, y1], [x2, y2]):
                continue
            upperCoordString = coordToString([x1, y2])
            rightCoordString = coordToString([x2, y1])
            if upperCoordString in coordsTable and rightCoordString in
                rectangleCount += 1
    return rectangleCount


def isInUpperRight(coord1, coord2):
    x1, y1 = coord1
    x2, y2 = coord2
    return x2 > x1 and y2 > y1
```

Your Solutions   Run Code

Solution 1   **Solution 2**   **Solution 3**

```python
def rectangleMania(coords):
    # Write your code here.
    pass
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.