

## 1453. Maximum Number of Darts Inside of a Circular Dartboard

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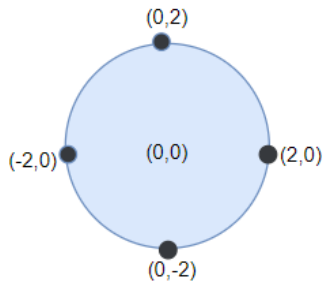
[ick to Contest \(/contest/weekly-contest-189/\)](/contest/weekly-contest-189/)

You have a very large square wall and a circular dartboard placed on the wall. You have been challenged to throw darts into the board blindfolded. Darts thrown at the wall are represented as an array of `points` on a 2D plane.

Return the maximum number of points that are within or lie on **any** circular dartboard of radius `r`.

User Accepted:	449
User Tried:	1410
Total Accepted:	489
Total Submissions:	2934
Difficulty:	Hard

### Example 1:

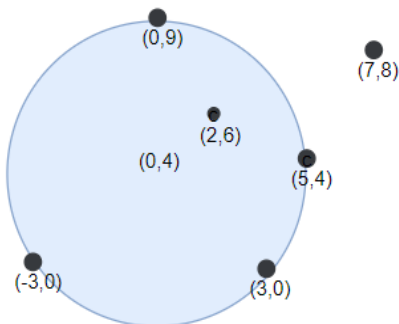


**Input:** `points = [[-2,0],[2,0],[0,2],[0,-2]]`, `r = 2`

**Output:** 4

**Explanation:** Circle dartboard with center in (0,0) and radius = 2 contain all points.

### Example 2:



**Input:** `points = [[-3,0],[3,0],[2,6],[5,4],[0,9],[7,8]]`, `r = 5`

**Output:** 5

**Explanation:** Circle dartboard with center in (0,4) and radius = 5 contain all points except the point (7,8).

### Example 3:

**Input:** `points = [[-2,0],[2,0],[0,2],[0,-2]]`, `r = 1`

**Output:** 1

### Example 4:

**Input:** points = [[1,2],[3,5],[1,-1],[2,3],[4,1],[1,3]], r = 2  
**Output:** 4

**Constraints:**

- $1 \leq \text{points.length} \leq 100$
- $\text{points}[i].\text{length} == 2$
- $-10^4 \leq \text{points}[i][0], \text{points}[i][1] \leq 10^4$
- $1 \leq r \leq 5000$

Discuss (<https://leetcode.com/problems/maximum-number-of-darts-inside-of-a-circular-dartboard/discuss>)

JavaScript



```
1 /**
2  * @param {number[][]} points
3  * @param {number} r
4  * @return {number}
5  */
6 var numPoints = function(points, r) {
7
8 };
```

☐ Custom Testcase☒ Use Example Testcases

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