Group Points

Question 528 of 1031

Medium

You are given a two-dimensional list of integers `points` and an integer `k`. Each list in `points` is of the form `(x, y)` representing Cartesian coordinates. Assuming you can group any point `a` and `b` if the Euclidean distance between them is `≤ k`, return the total number of disjoint groups.

Note that if points `a` and `b` are grouped and `b` and `c` are grouped, then `a` and `c` are in the same group.

Constraints

- `n ≤ 1,000` where `n` is length of `points`.

Example 1

Input

```
points = [
    [1, 1],
    [2, 2],
    [3, 3],
    [10, 10],
    [11, 11]
]
k = 2
```

Output

```
2
```

Explanation

There are two groups:

- `[1,1],[2,2],[3,3]`
- `[10,10],[11,11]`

Solved 263 Attempted 348 Rate 75.58%

Hint #1 +

Hint #2 +

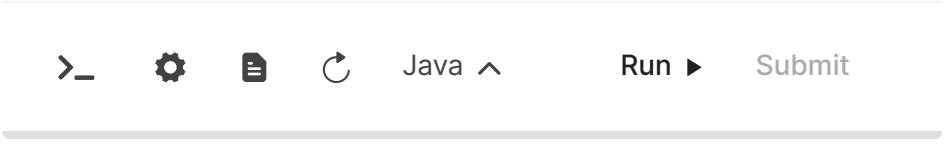
Topics +

Edited by **Peaceout**, **Rajatk133**

```java
import java.util.*;

class Solution {
    public int solve(int[][] points, int k) {

    }
}
```


Java
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