Problem 1037: Valid Boomerang

Problem Information

Difficulty: Easy
Acceptance Rate: 38.70%
Paid Only: No
Tags: Array, Math, Geometry

Problem Description

Given an array `points` where `points[i] = [xi, yi]` represents a point on the **X-Y** plane, return `true` _if these points are a**boomerang**_.

A **boomerang** is a set of three points that are **all distinct** and **not in a straight line**.

Example 1:

Input: points = [[1,1],[2,3],[3,2]] **Output:** true

Example 2:

Input: points = [[1,1],[2,2],[3,3]] **Output:** false

Constraints:

* `points.length == 3` * `points[i].length == 2` * `0 <= xi, yi <= 100`

Code Snippets

C++:

```
class Solution {
public:
bool isBoomerang(vector<vector<int>>& points) {
```

```
}
};
```

Java:

```
class Solution {
public boolean isBoomerang(int[][] points) {

}
}
```

Python3:

```
class Solution:
def isBoomerang(self, points: List[List[int]]) -> bool:
```