2152. Minimum Number of Lines to Cover Points

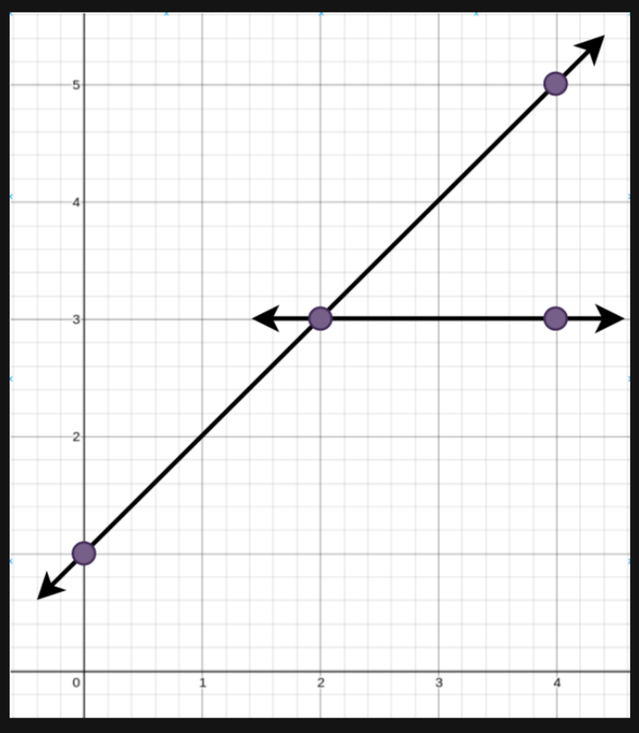
Description

You are given an array `points` where `points[i] = [x_i, y_i]` represents a point on an **X-Y** plane.

Straight lines are going to be added to the **X-Y** plane, such that every point is covered by at **least** one line.

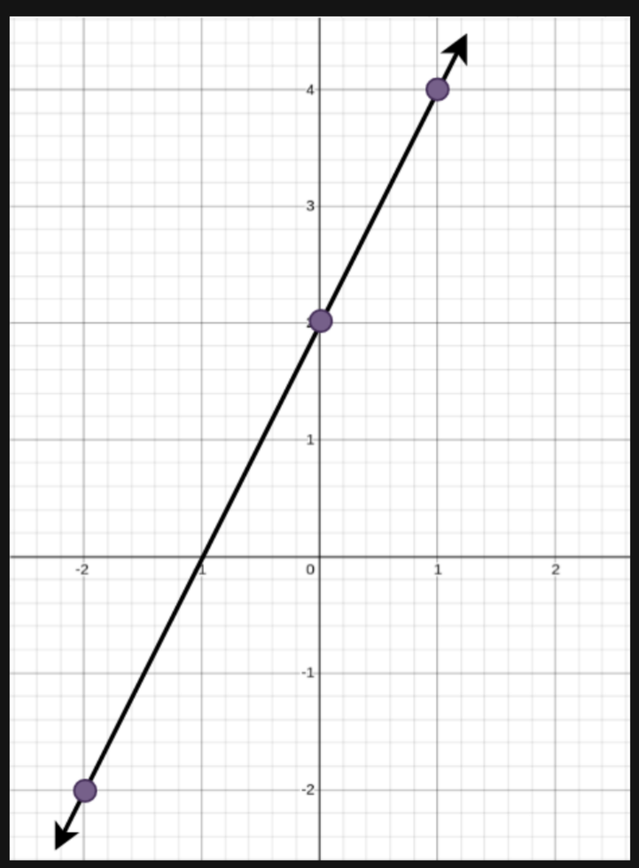
Return *the **minimum** number of **straight lines** needed to cover all the points*.

Example 1:




```
Input: points = [[0,1],[2,3],[4,5],[4,3]]
Output: 2
Explanation: The minimum number of straight lines needed is two. One possible solution is to add:
- One line connecting the point at (0, 1) to the point at (4, 5).
- Another line connecting the point at (2, 3) to the point at (4, 3).
```

Example 2:




```
Input: points = [[0,2],[-2,-2],[1,4]]
Output: 1
Explanation: The minimum number of straight lines needed is one. The only solution is to add:
- One line connecting the point at (-2, -2) to the point at (1, 4).
```

Constraints:

- `1 <= points.length <= 10`
- `points[i].length == 2`
- `-100 <= x_i, y_i <= 100`
- All the `points` are **unique**.