# 356. Line Reflection

Description

Given `n` points on a 2D plane, find if there is such a line parallel to the y-axis that reflects the given points symmetrically.

In other words, answer whether or not if there exists a line that after reflecting all points over the given line, the original points' set is the same as the reflected ones.
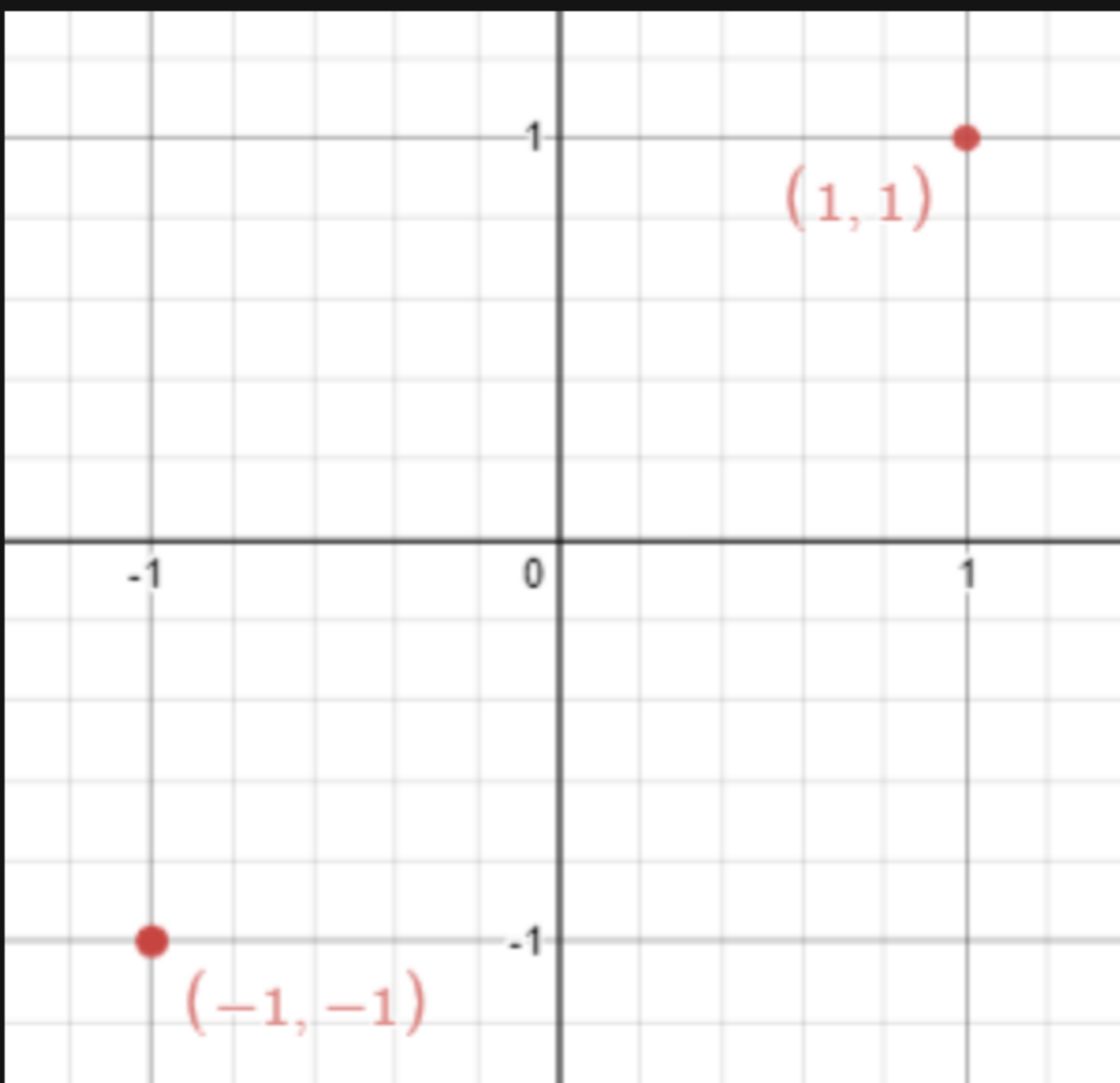
Note that there can be repeated points.

Example 1:
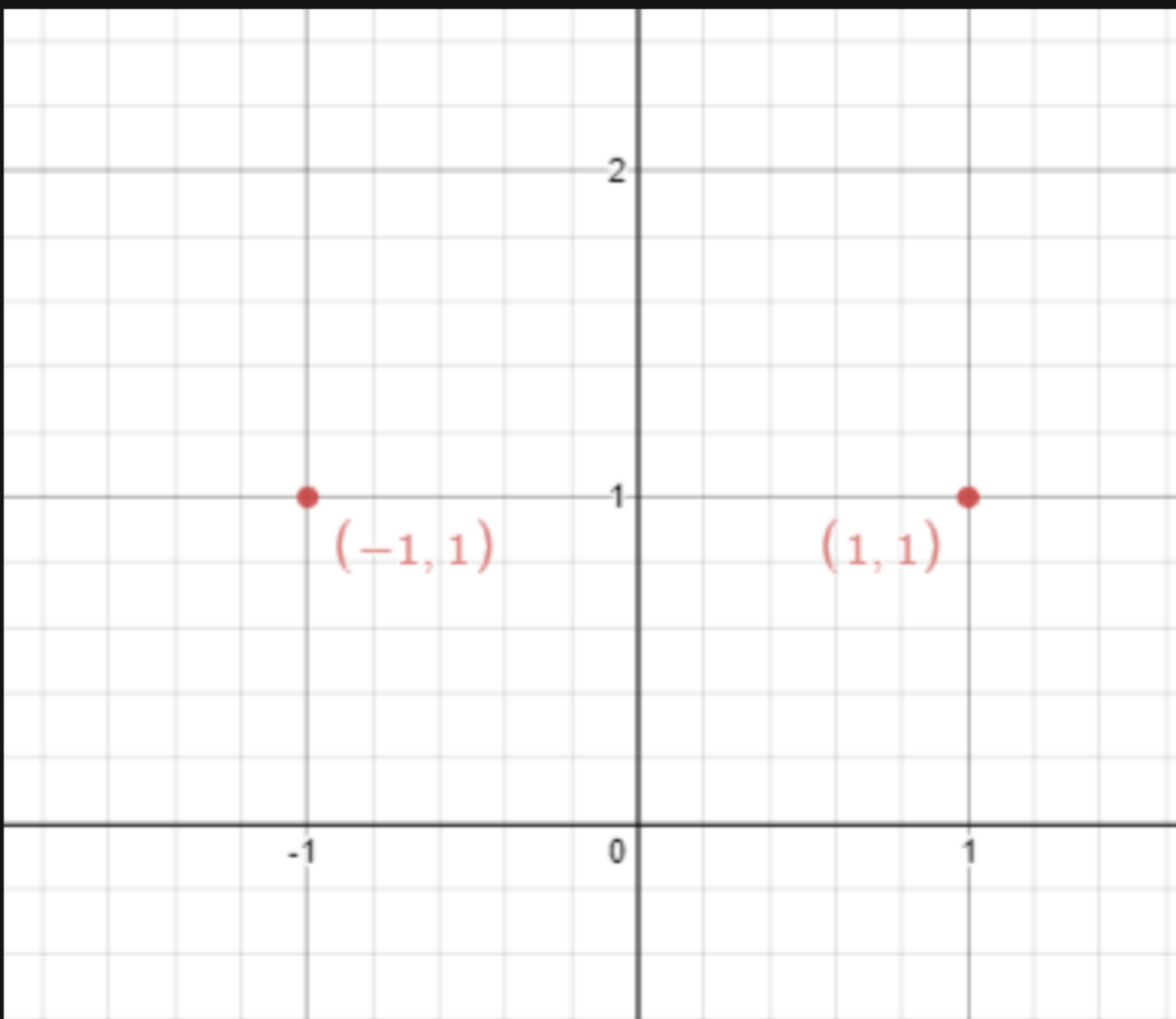

```
Input: points = [[1,1],[-1,1]]
Output: true
Explanation: We can choose the line x = 0.
```

Example 2:


```
Input: points = [[1,1],[-1,-1]]
Output: false
Explanation: We can't choose a line.
```

Constraints:

- `n == points.length`
- $1 <= n <= 10^4$
- $-10^8 <= points[i][j] <= 10^8$

Follow up: Could you do better than $O(n^2)$?