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:**

![](data:text/html; charset=UTF-8;base64,)

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

**Example 2:**

![](data:text/html; charset=UTF-8;base64,)

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

**Constraints:**

* n == points.length
* 1 <= n <= 104
* -108 <= points[i][j] <= 108

**Follow up:** Could you do better than O(n2)?