356. Line Reflection Premium Medium 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: (e) (-1,1)(1, 1)0 **Input:** points = [[1,1],[-1,1]]Output: true **Explanation:** We can choose the line x = 0. Example 2: (1,1)(-1, -1)**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 $0(n^2)$? Seen this question in a real interview before? 1/5 No Yes Accepted 42.3K Submissions 118.2K Acceptance Rate 35.8% Topics Array Hash Table Math Companies 0 - 3 months Yandex 4 0 - 6 months Google 2 6 months ago Adobe 2 Hint 1 Find the smallest and largest x-value for all points. ହ Hint 2 If there is a line then it should be at y = (minX + maxX) / 2. Q Hint 3 For each point, make sure that it has a reflected point in the opposite side. **₹** Similar Questions Max Points on a Line Hard **Number of Boomerangs** Medium Discussion (10) Copyright © 2024 LeetCode All rights reserved