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Array #13

Leetcode #1051

Height Checker

https://leetcode.com/problems/height-checker/description/

A school is trying to take an annual photo of all the students. The students are asked to stand in a single file line in non-decreasing order by height. Let this ordering be represented by the integer array expected where expected[i] is the expected height of the ith student in line.

You are given an integer array heights representing the current order that the students are standing in. Each height[i] is the height of the ith student in line (0-indexed)

Return the number of indices where height[i] != expected[i]

Example 1:

Input: heights = [1, 1, 4, 2, 1, 3] 11/2/4 + 3 Output: 3

Example 2:

Input: heights = [5, 1, 2, 3, 4] Output: 5 1 2748

Example 3: Input: heights = [1, 2, 3, 4, 5] Output: 0

12345

Constraints: 1 <= heights.length <= 100 1 <= heightsLiJ <= 100

Companies:

Google, Meta, Salesforce

Approach 1:



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```
class Solution {
    public int heightChecker(int[] heights) {
        Integer[] res = new Integer[heights.length];

        for (int i = 0; i < heights.length; i++) {
            res[i] = heights[i];
        }

        Arrays.sort(res);
        int count = 0;
        for (int i = 0; i < heights.length; i++) {
            if (heights[i] != res[i]) {
                 count++;
            }
        }
        return count;
}</pre>
```