Problem List

Dynamic Layout Premium 0

Description Editorial Solutions (180) Submissions

Java Auto

2860. Happy Students

Hint

Medium 103 212

Companies

You are given a **0-indexed** integer array `nums` of length `n` where `n` is the total number of students in the class. The class teacher tries to select a group of students so that all the students remain happy.

The i^{th} student will become happy if one of these two conditions is met:

- The student is selected and the total number of selected students is **strictly greater than** `nums[i]`.
- The student is not selected and the total number of selected students is **strictly less than** `nums[i]`.

Return *the number of ways to select a group of students so that everyone remains happy.*

Example 1:

```
Input: nums = [1,1]
Output: 2
Explanation:
The two possible ways are:
The class teacher selects no student.
The class teacher selects both students to form the group.
If the class teacher selects just one student to form a group then
the both students will not be happy. Therefore, there are only two
```

```java
class Solution {

    public int countWays(List<Integer> nums) {

        System.out.println( nums );

        int ways = 0;

        ways = countIncluded( nums );

        if ( noneIncludedCase( nums ) == true ) {
           ways++;
        }

        return ways;
    }


    private int countIncluded( List<Integer> nums ) {

        List<Integer> sortedList = nums.stream().sorted().collect( Collectors.toList() );
        int cases = 0;

        System.out.println( "sortedList: " + sortedList );
```

--NORMAL--

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Testcase Result

```
[6, 0, 3, 3, 6, 7, 2, 7]
sortedList: [0, 2, 3, 3, 6, 6, 7, 7]
```

Console Run Submit