

1608. Special Array With X Elements Greater Than or Equal X

You are given an array `nums` of non-negative integers. `nums` is considered **special** if there exists a number `x` such that there are **exactly** `x` numbers in `nums` that are **greater than or equal to** `x`.

Notice that `x` **does not** have to be an element in `nums`.

Return `x` if the array is **special**, otherwise, return `-1`. It can be proven that if `nums` is special, the value for `x` is **unique**.

Example 1:

Input: `nums = [3,5]`

Output: `2`

Explanation: There are 2 values (3 and 5) that are greater than or equal to 2.

Example 2:

Input: `nums = [0,0]`

Output: `-1`

Explanation: No numbers fit the criteria for `x`.

If `x = 0`, there should be 0 numbers $\geq x$, but there are 2.

If `x = 1`, there should be 1 number $\geq x$, but there are 0.

If `x = 2`, there should be 2 numbers $\geq x$, but there are 0.

`x` cannot be greater since there are only 2 numbers in `nums`.

Example 3:

Input: `nums = [0,4,3,0,4]`

Output: `3`

Explanation: There are 3 values that are greater than or equal to 3.

Constraints:

- `1 <= nums.length <= 100`
- `0 <= nums[i] <= 1000`