

2441. Largest Positive Integer That Exists With Its Negative

Description

Given an integer array `nums` that **does not contain** any zeros, find **the largest positive** integer `k` such that `-k` also exists in the array.

Return *the positive integer* `k`. If there is no such integer, return `-1`.

Example 1:

Input: `nums = [-1,2,-3,3]`

Output: `3`

Explanation: 3 is the only valid `k` we can find in the array.

Example 2:

Input: `nums = [-1,10,6,7,-7,1]`

Output: `7`

Explanation: Both 1 and 7 have their corresponding negative values in the array. 7 has a larger value.

Example 3:

Input: `nums = [-10,8,6,7,-2,-3]`

Output: `-1`

Explanation: There is no a single valid `k`, we return `-1`.

Constraints:

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

