Problem 2239: Find Closest Number to Zero

Problem Information

Difficulty: Easy
Acceptance Rate: 47.55%
Paid Only: No
Tags: Array

Problem Description

Given an integer array `nums` of size `n`, return _the number with the value**closest** to _`0` _in_`nums`. If there are multiple answers, return _the number with the**largest** value_.

Example 1:

Input: nums = [-4,-2,1,4,8] **Output:** 1 **Explanation:** The distance from -4 to 0 is |-4| = 4. The distance from -2 to 0 is |-2| = 2. The distance from 1 to 0 is |1| = 1. The distance from 4 to 0 is |4| = 4. The distance from 8 to 0 is |8| = 8. Thus, the closest number to 0 in the array is 1.

Example 2:

Input: nums = [2,-1,1] **Output:** 1 **Explanation:** 1 and -1 are both the closest numbers to 0, so 1 being larger is returned.

Constraints:

* `1 <= n <= 1000` * `-105 <= nums[i] <= 105`

Code Snippets

C++:

```
class Solution {
public:
```

```
int findClosestNumber(vector<int>& nums) {

}
};
```

Java:

```
class Solution {
public int findClosestNumber(int[] nums) {

}
}
```

Python3:

```
class Solution:
def findClosestNumber(self, nums: List[int]) -> int:
```