

- [4,5,6,7,0,1,4] if it was rotated 4 times.
- [0,1,4,4,5,6,7] if it was rotated 7 times.

Notice that rotating an array  $[a[0], a[1], a[2], \ldots, a[n-1]]$  1 time results in the array  $[a[n-1], a[0], a[1], a[2], \ldots, a[n-2]]$ .

Given the sorted rotated array nums that may contain duplicates, return the minimum element of this array.

You must decrease the overall operation steps as much as possible.

## Example 1:

```
Input: nums = [1,3,5]
Output: 1
```

## Example 2:

```
Input: nums = [2,2,2,0,1]
Output: 0
```

## Constraints:

- n == nums.length
- 1 <= n <= 5000
- -5000 <= nums[i] <= 5000
- nums is sorted and rotated between 1 and n times.

Follow up: This problem is similar to Find Minimum in Rotated Sorted Array (https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/description/), but nums may contain duplicates. Would this affect the runtime complexity? How and why?

Subscribe (/subscribe/) to see which companies asked this question.

Related Topics ▼

Similar Questions ▼

```
Java
                                                                                                             ďΣ
                                                                                                                  \mathfrak{C}
    class Solution {
       2,
3
 4
            return arr[pivot+1];
 6
       static int findPivot(int[] nums){
           int start = 0;
int end = nums.length-1;
 7
8
9,
           while(start<=end){
               int mid = start + (end - start)/2;
10
```

