

81. Search in Rotated Sorted Array II

Difficulty **Medium**

 377

 196

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 Description

 Hints

 Solution

 Submissions

Suppose an array sorted in ascending order is rotated at some pivot unknown to you beforehand.

(i.e., `[0,0,1,2,2,5,6]` might become `[2,5,6,0,0,1,2]`).

You are given a target value to search. If found in the array return `true`, otherwise return `false`.

Example 1:

Input: `nums = [2,5,6,0,0,1,2]`, `target = 0`

Output: `true`

Example 2:

这里可以用二分法来进行查找

```

public class L81 {

    public boolean search(int[] nums, int target) {
        if(nums == null || nums.length == 0)
            return false;
        int low = 0;
        int high = nums.length - 1;
        while (low <= high) {
            int mid = (low + high) / 2;
            if(target < nums[mid]) {
                if(nums[mid] < nums[high])
                    high = mid - 1;
                else if (nums[mid] == nums[high]) {
                    high--;
                }else {
                    if(target < nums[low])
                        low = mid + 1;
                    else
                        high = mid - 1;
                }
            }else if (target > nums[mid]) {
                if(nums[low] < nums[mid])
                    low = mid + 1;
                else if (nums[low] == nums[mid])
                    low ++;
            }else {
                if(target > nums[high])
                    high = mid - 1;
                else
                    low = mid + 1;
            }
        }else
            return true;
    }

    return false;
}
}

```