

81. Search in Rotated Sorted Array II

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思路

1. 三步一check
2. 分类讨论

Python Code

```
class Solution(object):
    def search(self, nums, target):
        """
        :type nums: List[int]
        :type target: int
        :rtype: bool
        """
        n = len(nums)
        if n == 0:
            return False

        left = 0
        right = n - 1
        while left <= right:
            mid = left + (right - left) / 2
            if nums[mid] == target:
                return True
            # right half is ascending
            if nums[mid] < nums[right]:
                if nums[mid] < target and nums[right] >= target:
                    left = mid + 1
                else:
                    right = mid - 1

            # left half is ascending
            elif nums[mid] > nums[right]:
                if nums[left] <= target and target < nums[mid]:
                    right = mid - 1
                else:
                    left = mid + 1
            else: right -= 1
        return False
```

总结

不能忘了最后right -= 1