

특정 피벗을 기준으로 회전하여 정렬된 배열에서 target값의 인덱스를 출력하라.

Input: nums = [4,5,6,7,0,1,2], target = 0

Output: 4

1.이진검색

class Solution:

```
def search(self, nums: List[int], target: int) -> int:
    if not nums:
        return -1
    left, right = 0, len(nums) - 1
    while left < right:
        mid = left + (right - left) // 2
        if nums[mid] > nums[right]:
            left = mid + 1
        else:
            right = mid
    pivot = left
    left, right = 0, len(nums) - 1
    while left <= right:
        mid = left + (right - left) // 2
        mid_pivot = (mid + pivot) % len(nums)
        if nums[mid_pivot] < target:
            left = mid + 1
        elif nums[mid_pivot] > target:
            right = mid - 1
        else:
            return mid_pivot
    return -1
```

class Solution:

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def search(self, nums: List[int], target: int) -> int:
    if not nums:
        return -1
    left, right = 0, len(nums) - 1
    while left < right:
        mid = left + (right - left) // 2
        if nums[mid] > nums[right]:
            left = mid + 1
        else:
            right = mid
    pivot = left
    nums = nums[pivot:] + nums[:pivot]
    left, right = 0, len(nums) - 1
    while left <= right:
        mid = left + (right - left) // 2
        if nums[mid] < target:
            left = mid + 1
        elif nums[mid] > target:
            right = mid - 1
```

```
    else:
        return (mid + pivot) % len(nums)
    return -1

return -1
```

2.파이썬다움

class Solution:

```
    def search(self, nums: List[int], target: int) -> int:
        if target not in nums:
            return -1
        return nums.index(target)
```