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:
    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)
```