

# 0035 - Search Insert Position



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LeetCode 二分查找

## Example 1:

**Input:** nums = [1,3,5,6], target = 5

**Output:** 2

## Example 2:

**Input:** nums = [1,3,5,6], target = 2

**Output:** 1

## Example 3:

**Input:** nums = [1,3,5,6], target = 7

**Output:** 4



Binary Search 二分查找

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1 二分 +1:

```
class Solution {  
    public int searchInsert(int[] nums, int target) {  
        // Binary search  
        int left = 0;  
        int right = nums.length - 1;
```

```
int mid = 0;

while(left <= right){
    mid = (left + right) / 2;
    if(nums[mid] > target){
        // [] mid [ ] target [ ]
        right = mid - 1;
    } else if (nums[mid] < target){
        // [] mid [ ] target [ ]
        left = mid + 1;
    } else {
        return mid;
    }
}

// []
// []
// []
if(nums[mid] < target){
    return mid + 1;
} else {
    return mid;
}
}
```

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