Most Leetcode Notes

二分搜索

```python
def binarySearch(nums: List[int], target: int) -> int:
    left, right = 0, len(nums) - 1

    while left <= right:
        mid = left + (right - left) // 2
        if nums[mid] == target:
            return mid
        elif nums[mid] < target:
            left = mid + 1
        else:
            right = mid - 1
    return -1
```

快慢指针

```python
class Solution(object):
    def removeDuplicates(self, nums):
        slow = 0
        fast = 1
        ans = len(nums)
        while (fast < ans):
            # 判断当前fast指针和slow指针
            if nums[slow] < nums[fast]:# fast 指针大于slow指针，所以移动slow指针
                slow+=1
                nums[slow]=nums[fast]
            fast +=1
        return slow + 1
```