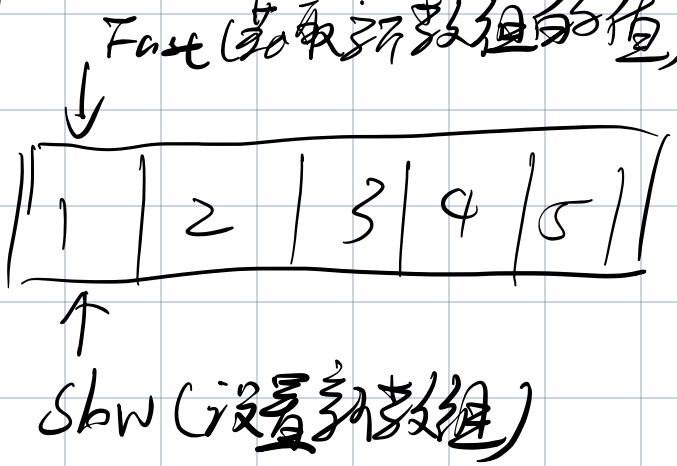
暴力解法

int[] nums;
int val; $O(n^2)$

```
int removeElement(int* nums, int val)
{
    int count = 0;
    for(int i=0; i<nums.size(); i++)
    {
        if(nums[i] == val)
        {
            count++;[i, ..., size-1]
            for(int j=i; j<(nums.size()-1); j++)
            {
                nums[j] = nums[j+1];//
            }
            nums[size-1] = 0;  ? 无效循环;
        }
    }
    return count;
}
```

双指针方法：$O(n)$




```
slow=0;
寻找新元素
for(fast=0; fast<nums.size(); fast++)
{
    判断数组是否
    if(nums[fast]!=val)
    {
        nums[slow]=nums[fast];
        slow++;
    }
}
return slow;
```