题目： 1658. 将 x 减到 0 的最小操作数

正难则反

$$1 + 2 = x$$
$$3 = sum - x.$$

```
|  1  |        3        |   2   |
```

入窗口
↓
判断 (3 > target)
↓
出窗口
↓ if (3 = target)
更新
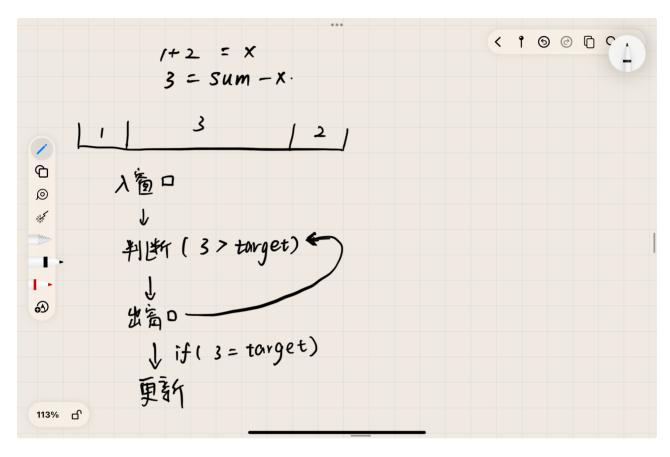
```
class Solution {
public:
    int minOperations(vector<int>& nums, int x) {
        int n = nums.size();
        int sum1 = 0;
        int sum2 = 0;
        int len = -1;
        for (auto& e : nums) {
            sum1 += e;
        }
        int target = sum1 - x;
        int left = 0;
        for (int right = 0; right < n; right++) {
            sum2 += nums[right];
            while (sum2 > target && left <= right) {
                sum2 -= nums[left++];
            }
            if (sum2 == target)
                len = max(len, right - left + 1);
        }
        if (len == -1)
            return -1;
        return n - len;
    }
};
```

题目： 904. 水果成篮

```cpp
class Solution {
public:
    int totalFruit(vector<int>& fruits) {
        int n = fruits.size();
        int hash[100001] = {0};
        int left = 0;
        int len = 0;
        int kinds = 0;
        for(int right = 0;right < n;right++)
        {
            if(hash[fruits[right]] == 0) kinds++;
            hash[fruits[right]]++;
            while(kinds > 2)
            {
                hash[fruits[left]]--;
                if(hash[fruits[left]] == 0)
                    kinds--;
                left++;
            }
            len = max(len,right-left+1);
        }
        return len;
    }
};
```