

# 回文字符串

## 人员

刘轩铜、隋梓予、王森、宫正泽、李嘉行、刘派、邢志远、王晗廷、贾庚皓、周熙浩、胡曦辰、罗艺山 到课

## 上周作业检查

上周作业链接: <https://www.luogu.com.cn/contest/224446>

2025-0112周日08:30

报名

编辑比赛

题目数5 | 报名人数12

比赛说明 | 题目列表 | 排行榜

名次	参赛者	总分	A	B	C	D	E
#1	邢致远	500 (8.89h)	100 (44.12min)	100 (1.78h)	100 (1.67h)	100 (2.11h)	100 (2.60h)
#2	刘派	500 (15.37h)	100 (34.82min)	100 (51.68min)	100 (1.08h)	100 (6.48h)	100 (6.37h)
#3	郭浩宇	500 (17.69h)	100 (43.03min)	100 (1.62h)	100 (1.47h)	100 (6.88h)	100 (7.01h)
#4	刘轩铜	500 (19.76h)	100 (29.33min)	100 (42.90min)	100 (53.90min)	100 (8.81h)	100 (8.84h)
#5	隋梓予	500 (8.03d)	100 (50.75min)	100 (11.96h)	100 (12.01h)	100 (12.05h)	100 (6.49d)
#6	罗艺山	500 (13.25d)	100 (36.45min)	100 (1.02h)	100 (1.62h)	100 (6.55d)	100 (6.57d)
#7	宫正泽	470 (1.16d)	100 (30.05min)	100 (50.62min)	100 (1.18h)	100 (1.45h)	70 (23.82h)
#8	王森	350 (13.26h)	100 (46.80min)	100 (9.05h)	100 (1.60h)	50 (1.83h)	
#9	李嘉行	310 (1.72d)	100 (46.57min)	10 (12.58h)	100 (14.18h)	100 (13.73h)	
#10	刘梓勋	310 (6.78d)	100 (46.58min)	10 (1.38h)	100 (1.61h)		100 (6.62d)
#11	周熙皓	200 (2.63h)	100 (1.03h)		100 (1.60h)		

## 作业

<https://www.luogu.com.cn/contest/226294> (课上讲了 A、B、C 3 个题, 课后作业是 D 题 U498480 移位包含问题 这个题目)

## 课堂表现

今天课上的题目整体不是很难, 不过第二题有点抽象, 许多同学课上没有通过第二题, 课下要在草稿纸上再好好画一画理解理解这个题目。

## 课堂内容

B3723 [语言月赛202303] Coin Selection G

```
#include <bits/stdc++.h>

using namespace std;

typedef long long LL;
const int maxn = 1000 + 5;
LL w[maxn];

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) cin >> w[i];

    LL sum1 = 0, sum2 = 0;
    for (int i = 1; i <= n; ++i) {
        sort(w+1, w+n+1);
        if (i%2 == 1) { // sum1
            if (sum1 < w[i]) sum1 += w[i], w[i] = 0;
            else {
                for (int j = n; ; --j) {
                    if (w[j] <= sum1) {
                        sum1 += w[j], w[j] = 0;
                        break;
                    }
                }
            }
        }
        else { // sum2
            if (sum2 < w[i]) sum2 += w[i], w[i] = 0;
            else {
                for (int j = n; ; --j) {
                    if (w[j] <= sum2) {
                        sum2 += w[j], w[j] = 0;
                        break;
                    }
                }
            }
        }
    }
    cout << sum1 << " " << sum2 << endl;
    return 0;
}
```

## U514682 回文字符串

```
#include <bits/stdc++.h>

using namespace std;

int cnt[200];
```

```
int main()
{
    int t; cin >> t;
    while (t -- ) {
        for (int i = 'a'; i <= 'z'; i++) {
            cnt[i] = 0;
        }

        int n, k;
        string s;
        cin >> n >> k >> s;
        for (int i = 0; i < n; i++) {
            cnt[s[i]]++;
        }

        int sum = 0;
        for (int i = 'a'; i <= 'z'; i++) {
            if (cnt[i]%2 == 1) {
                sum++;
            }
        }

        // 有 sum 个字母出现了奇数次，最少要删除 sum-1 个
        // 现在只能删 k 个
        if (k >= sum-1) {
            cout << "YES" << endl;
        } else {
            cout << "NO" << endl;
        }
    }
    return 0;
}
```

### P5734 【深基6.例6】文字处理软件

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    int n; string str;
    cin >> n >> str;
    for (int c = 1; c <= n; c++) {
        int op; cin >> op;
        if (op == 1) {
            string s; cin >> s;
            str += s;
            cout << str << endl;
        } else if (op == 2) {
            int a, b; cin >> a >> b;
```

```
    str = str.substr(a, b);  
    cout << str << endl;  
} else if (op == 3) {  
    int pos; string s; cin >> pos >> s;  
    str = str.substr(0,pos) + s + str.substr(pos);  
    cout << str << endl;  
} else {  
    string s; cin >> s;  
    int t = str.find(s);  
    cout << t << endl;  
}  
}  
}  
return 0;  
}
```