

低洼地

人员

田心一、吴念远、赵牧之、李瑞涵、苑钊、韩昱辰、周沁言、李知朔、亓骏泽、王馨琪、温郝冬、纪博涵、刘子轩 到课

上周作业检查

上周作业链接: <https://www.luogu.com.cn/contest/224547>

2025-0112周日15:30

报名

编辑比赛

题目数7 | 报名人数17

比赛说明 | 题目列表 | 排行榜

名次	参赛者	总分	A	B	C	D	E	F	G
#1	田心一	660 (6.03d)	100 (20.18min)	100 (31.57min)	100 (54.07min)	100 (1.53h)	100 (1.79h)	60 (2.03h)	100 (5.74d)
#2	柳力玮	640 (2.45d)	100 (19.37min)	100 (27.62min)	100 (38.52min)	100 (52.43min)	100 (1.60h)	100 (1.69h)	40 (2.22d)
#3	王馨琪	640 (15.34d)	100 (33.70min)	100 (1.05h)	100 (1.16d)	100 (1.17d)	100 (5.80d)	100 (5.97d)	40 (1.18d)
#4	韩昱辰	620 (20.59d)	100 (35.67min)	100 (53.13min)	100 (1.80d)	100 (2.09h)	100 (5.84d)	20 (6.05d)	100 (6.75d)
#5	李瑞涵	610 (1.16d)	100 (21.32min)	100 (40.45min)	100 (54.25min)	100 (1.14h)	100 (1.61h)	100 (1.81h)	10 (21.44h)
#6	赵牧之	610 (12.74d)	100 (24.23min)	100 (33.13min)	100 (1.60h)	100 (1.73h)	100 (3.11d)	80 (3.14d)	30 (6.31d)
#7	苑钊	590 (7.91d)	100 (33.42min)	100 (57.43min)	100 (1.78h)	100 (1.87h)	100 (16.52h)	60 (16.60h)	30 (6.31d)
#8	李知朔	580 (5.49d)	100 (23.43min)	100 (1.11h)	100 (1.61h)	100 (1.07d)	100 (1.10d)	60 (1.10d)	20 (2.09d)
#9	温郝冬	580 (14.19d)	100 (19.33min)	100 (55.82min)	100 (1.70h)	100 (2.30h)	100 (6.98d)		80 (6.99d)
#10	纪博涵	540 (7.81h)	100 (23.97min)	100 (43.07min)	100 (1.12h)	100 (1.44h)	100 (2.04h)	40 (2.10h)	
#11	吴念远	520 (24.86d)	100 (35.70min)	100 (1.05h)	100 (6.87d)	100 (6.87d)	100 (6.87d)	20 (6.87d)	
#12	周沁言	400 (12.62d)	100 (27.08min)	100 (1.54h)	100 (6.27d)	100 (6.27d)			
#13	亓骏泽	200 (1.79h)	100 (37.68min)	100 (1.16h)					

作业

<https://www.luogu.com.cn/contest/226445>

课堂表现

上周作业比较难，大部分同学基本都没有做出来，老师今天上课给同学们讲了上周作业，同学们课下再好好做一做。

课堂内容

P1320 压缩技术（续集版）

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

using namespace std;

int main()
{
    string s, a;
    cin >> s;
    int n = s.size();
    for (int i = 1; i <= n-1; i++) {
        cin >> a;
        s += a;
    }
    cout << n << " ";

    if (s[0] == '1') {
        cout << 0 << " ";
    }

    int cnt = 1, len = s.size();
    for (int i = 1; i < len; i++) {
        if (s[i] == s[i-1]) {
            cnt++;
        } else {
            cout << cnt << " ";
            cnt = 1;
        }
    }
    cout << cnt << 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;
}
```

P1317 低洼地

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

using namespace std;

int a[10005], b[10005];

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

    b[1] = a[1];
    int k = 2;
    for (int i = 2; i <= n; i++) {
        if (a[i] != a[i-1]) {
            b[k] = a[i];
            k++;
        }
    }

    // 看 b[1] ~ b[k-1] 有多少个低洼地, 看 b[2] ~ b[k-2]
    int cnt = 0;
    for (int i = 2; i <= k-2; i++) {
        if (b[i-1]>b[i] && b[i+1]>b[i]) {
            cnt++;
        }
    }
    cout << cnt << endl;
}
```

```
    return 0;
}
```

B3723 [语言月赛202303] Coin Selection G

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

using namespace std;

long long a[1005];

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

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