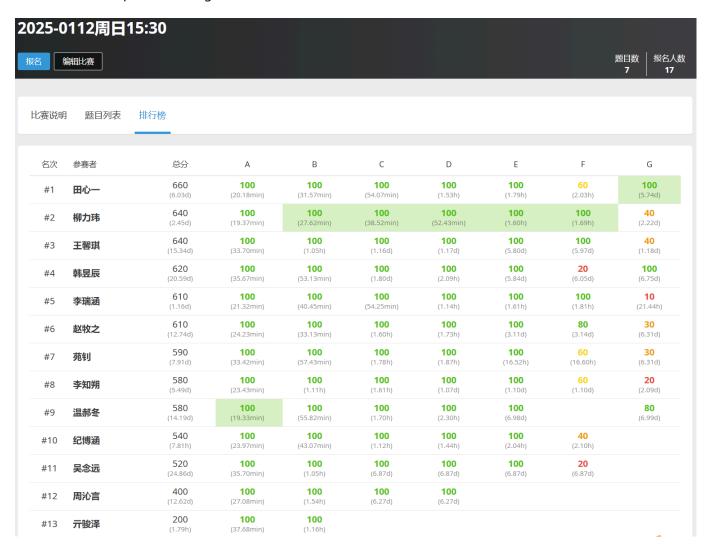
低洼地

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



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 << " ";</pre>
    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 << " ";</pre>
            cnt = 1;
        }
    cout << cnt << endl;</pre>
    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;
}</pre>
```

```
} else if (op == 2) {
      int a, b; cin >> a >> b;
      str = str.substr(a, b);
      cout << str << endl;</pre>
    } else if (op == 3) {
      int pos; string s; cin >> pos >> s;
      str = str.substr(0,pos) + s + str.substr(pos);
      cout << str << endl;</pre>
    } else {
      string s; cin >> s;
      int t = str.find(s);
      cout << t << endl;</pre>
    }
  }
 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;</pre>
```

```
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] \sim 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) {</pre>
                         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) {</pre>
                         sum2 += a[j], a[j] = 0;
                         break;
                     }
                 }
            }
        }
    cout << sum1 << " " << sum2 << endl;</pre>
    return 0;
}
```