

多项式输出

人员

程梓豪、隋钰涵、赵熙羽、高健桓、刘祺、辛帅辰、杨瑾硕、郑泽楷、郭琪嘉、武敬哲、董浩桢 到课, 谢亚锴、夏硕承、徐浩然 线上

作业检查

上周作业链接: <https://www.luogu.com.cn/contest/226342>

2025-0119周日10:30

报名

编辑比赛

题目数

5

报名人数

13

比赛说明

题目列表

排行榜

名次	参赛者	总分	A	B	C	D	E
#1	赵熙羽	500 (14.02h)	100 (21.55min)	100 (29.52min)	100 (1.33h)	100 (2.19h)	100 (9.65h)
#2	陈兆晟	400 (3.57h)	100 (17.80min)	100 (33.35min)	100 (58.95min)	100 (1.74h)	
#3	隋钰涵	400 (3.97h)	100 (20.62min)	100 (35.23min)	100 (1.06h)	100 (1.98h)	
#4	秦显森	400 (4.07h)	100 (23.33min)	100 (43.12min)	100 (58.78min)	100 (1.98h)	
#5	谢亚锴	400 (4.09h)	100 (16.50min)	100 (34.25min)	100 (1.22h)	100 (2.02h)	
#6	武敬哲	400 (4.41h)	100 (23.98min)	100 (34.73min)	100 (1.09h)	100 (2.34h)	
#7	夏硕承	400 (3.22d)	100 (1.13h)	100 (3.04d)	100 (1.38h)	100 (1.95h)	
#8	高健桓	382 (5.57d)	100 (22.23min)	100 (32.62min)	100 (1.34h)	72 (2.14h)	10 (5.39d)
#9	董浩桢	320 (2.38d)	100 (26.98min)	100 (37.13min)	20 (1.37h)	100 (2.27d)	
#10	牛同泽	300 (2.09h)	100 (22.95min)	100 (34.27min)	100 (1.13h)		
#11	程梓豪	300 (3.66h)	100 (28.07min)	100 (53.55min)		100 (2.30h)	
#12	牟茗	100 (23.78h)					100 (23.78h)

作业

<https://www.luogu.com.cn/contest/228340> (课上讲了 A/B/C/D 4 个题, 课后作业是 E 题)

课堂表现

今天课上的 B、C 两道题都麻烦一些, 有些同学课上没有全部做完, 课下一定要补完这几道题。

课堂内容

P2241 统计方形 (数据加强版)

```
#include<bits/stdc++.h>
using namespace std;
int main()
{
    int n,m;
    cin>>n>>m;
    long long all=0,cnt=0;
    for(int i=1;i<=n;i++){
        for(int j=1;j<=m;j++){
            all+=i*j;
            cnt+=min(i,j);
        }
    }
    cout<<cnt<<" "<<all-cnt;
    return 0;
}
```

P1067 [NOIP2009 普及组] 多项式输出

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

using namespace std;

const int maxn = 100 + 5;
int a[maxn];

int main()
{
    int n; cin >> n;
    for (int i = n; i >= 0; i--) cin >> a[i];

    for (int i = n; i >= 0; i--) {
        if (a[i] == 0) continue;
        if (a[i] > 0) {
            if (i != n) cout << "+";
            if (a[i] != 1) cout << a[i];
            else if (i == 0) cout << a[i];
        } else {
            if (a[i] != -1) cout << a[i];
            else {
                if (i == 0) cout << a[i];
                else cout << "-";
            }
        }

        if (i >= 2) cout << "x^" << i;
        else if (i == 1) cout << "x";
    }
    cout << endl;
}
```

```
    return 0;
}
```

P1042 [NOIP2003 普及组] 乒乓球

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

using namespace std;

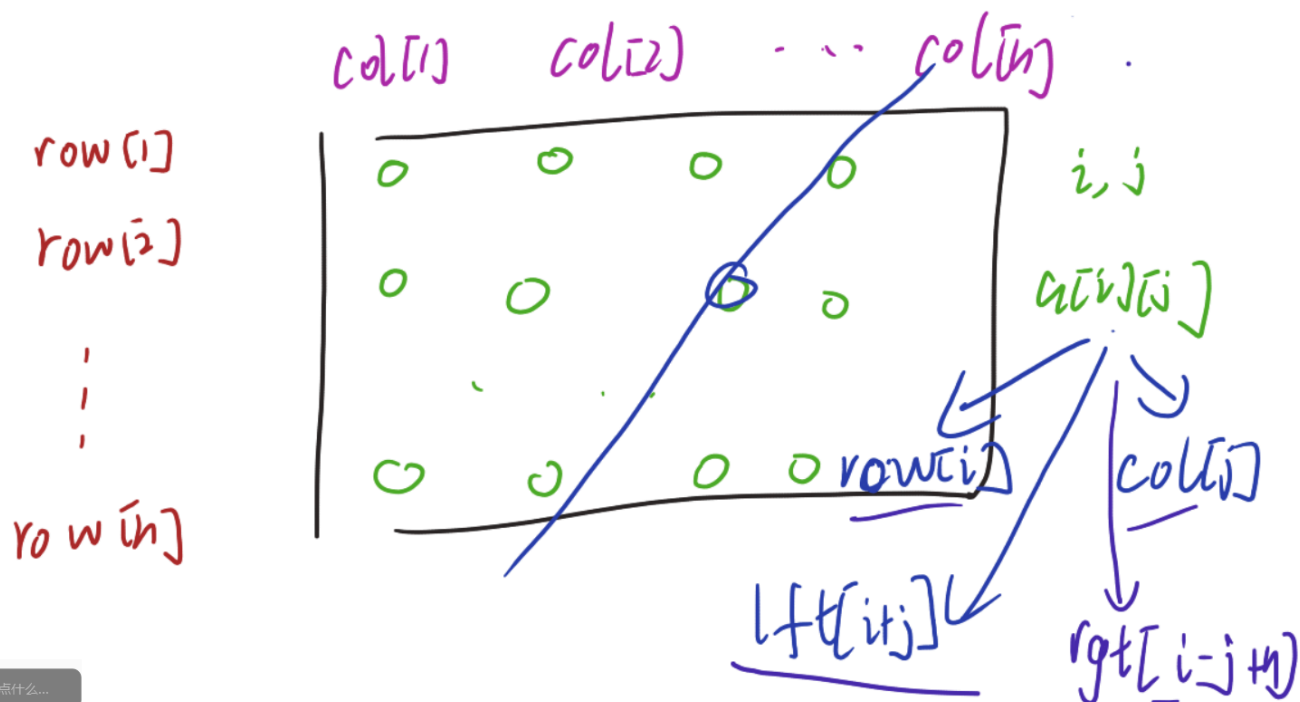
bool isEnd(int w, int l, int k) {
    if (w>=k && w-l>=2) return true;
    if (l>=k && l-w>=2) return true;
    return false;
}

void solve(string str, int k) {
    int n = str.size();
    int w = 0, l = 0;
    for (int i = 0; i < n; ++i) {
        if (str[i] == 'W') ++w;
        else ++l;
        if (isEnd(w, l, k)) {
            cout << w << ":" << l << endl;
            w = 0, l = 0;
        }
    }
    cout << w << ":" << l << endl;
}

int main()
{
    string str, s;
    while (cin >> s) {
        if (s.find('E') == string::npos) str += s;
        else { str += s.substr(0, s.find('E')); break; }
    }

    solve(str, 11);
    cout << endl;
    solve(str, 21);
    return 0;
}
```

B3975 [语言月赛 202405] 最大的和



说点什么...

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

using namespace std;

const int maxn = 2e3 + 5;
int row[maxn], col[maxn], lft[maxn*2], rht[maxn*2];

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) {
        for (int j = 1; j <= n; ++j) {
            int x; cin >> x;
            row[i] += x; col[j] += x;
            lft[j-i+maxn] += x, rht[i+j] += x;
        }
    }

    int res = -1e9;
    for (int i = 1; i <= n; ++i) res = max(res, max(row[i], col[i]));
    for (int i = 2; i <= 2*n; ++i) res = max(res, rht[i]);
    for (int i = 1-n; i <= n-1; ++i) res = max(res, lft[i+maxn]);
    cout << res << endl;
    return 0;
}
```

P1702 突击考试

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

```
using namespace std;

const int N = 1e5 + 5, M = 5 + 5;
bool w[N][M];

struct node {
    int len, k;
};
bool cmp(node p, node q) {
    if (p.len != q.len) return p.len > q.len;
    return p.k < q.k;
}

node solve(int n, int k) {
    int maxx = 0, len = 0;
    for (int i = 1; i <= n; ++i) {
        if (w[i][k]) ++len;
        else len = 0;
        maxx = max(maxx, len);
    }
    return {maxx, k};
}

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) {
        int x, y; cin >> x >> y; w[i][x] = w[i][y] = true;
    }

    vector<node> vec;
    for (int i = 1; i <= 5; ++i) vec.push_back(solve(n, i));

    sort(vec.begin(), vec.end(), cmp);

    cout << vec[0].len << " " << vec[0].k << endl;
    return 0;
}
```