多项式输出

人员

李瑞涵、韩昱辰、周沁言、李知朔、温郝冬 到课, 田心一、王馨琪、刘子轩、董岱诚 线上

上周作业检查

上周作业链接: https://www.luogu.com.cn/contest/226445

2025-0119周日15:30

			题目数	报名人数
报名	编辑比赛		5	18

比赛说明　题目列表　排行榜

名次	参赛者	总分	A	B	C	D	E
#1	田心一	500 (1.23d)	100 (19.07min)	100 (33.83min)	100 (1.50h)	100 (3.27h)	100 (23.88h)
#2	李瑞涵	500 (1.80d)	100 (22.52min)	100 (46.57min)	100 (59.05min)	100 (20.82h)	100 (20.28h)
#3	赵牧之	500 (3.34d)	100 (29.47min)	100 (1.09h)	100 (3.30h)	100 (3.23h)	100 (3.00d)
#4	王馨琪	500 (13.83d)	100 (27.82min)	100 (1.13h)	100 (1.63h)	100 (6.84h)	100 (6.85h)
#5	柳力玮	500 (24.13d)	100 (4.80d)	100 (4.81d)	100 (4.82d)	100 (4.85d)	100 (4.85d)
#6	温郝冬	400 (6.29h)	100 (22.57min)	100 (1.08h)	100 (1.72h)	100 (3.12h)	
#7	苑钊	400 (8.86h)	100 (31.65min)	100 (1.25h)	100 (1.63h)	100 (5.46h)	
#8	亓骏泽	400 (13.29h)	100 (35.17min)	100 (1.39h)	100 (5.77h)	100 (5.55h)	
#9	李知朔	400 (1.95d)	100 (29.53min)	100 (1.17h)	100 (1.70h)	100 (1.81d)	
#10	初锦阳	400 (3.87d)	100 (22.43h)	100 (23.05h)	100 (23.43h)	100 (23.91h)	
#11	韩昱辰	400 (5.18d)	100 (54.00min)	100 (1.41h)	100 (1.85h)	100 (5.01d)	
#12	周沁言	400 (6.38d)	100 (41.30min)	100 (1.55h)	100 (1.77h)	100 (6.21d)	
#13	纪博涵	310 (2.96d)	100 (34.07min)	100 (58.72min)	100 (1.70h)		10 (2.82d)
#14	刘子轩	300 (3.55h)	100 (31.95min)	100 (1.30h)	100 (1.72h)		
#15	吴念远	300 (3.63h)	100 (39.83min)	100 (1.16h)	100 (1.80h)		
#16	宋云朗	200 (4.14d)	100 (2.08d)			100 (2.06d)	

作业

https://www.luogu.com.cn/contest/228372

课堂表现

今天同学们上课听讲做题都很认真, 对同学们提出表扬, 希望同学们以后继续保持！！

课堂内容

B3673 [语言月赛202210] 垃圾分类

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

using namespace std;

long long a[1000005], b[1000005];

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

    long long sum = 0;
    for (int i = 1; i <= n; i++) {
        if (b[i] > a[i]) {
            sum += (b[i]-a[i]) * c;
        }
    }
    cout << sum << endl;
    return 0;
}
```

P2241 统计方形（数据加强版）

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

using namespace std;

int main()
{
    long long sum1 = 0, sum2 = 0;
    int n, m;
    cin >> n >> m;
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= m; j++) {
            sum1 += min(i,j);
            sum2 += i*j;
        }
    }
    cout << sum1 << " " << sum2-sum1 << endl;
    return 0;
}
```

P1067 [NOIP2009 普及组] 多项式输出

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

using namespace std;

int a[105];

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 << "-";
                else cout << a[i];
            }
        }

        if (i >= 2) cout << "x^" << i;
        else if (i == 1) cout << "x";
    }
    cout << endl;
    return 0;
}
```

P1420 最长连号

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

using namespace std;

int a[10005];

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

    int cnt = 1, maxx = 0;
    for (int i = 2; i <= n; i++) {
```

```
        if (a[i] == a[i-1]+1) cnt++;
        else {
            maxx = max(maxx, cnt);
            cnt = 1;
        }
    }
    maxx = max(maxx, cnt);

    cout << maxx << endl;
    return 0;
}
```

B3703 [语言月赛202301] 新年快乐

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

using namespace std;

int main()
{
    string str; cin >> str;
    str = " " + str;
    int t; cin >> t;
    for (int i = 1; i <= t; i++) {
        int l, r; cin >> l >> r;
        string s = str.substr(l, r-l+1);

        int n = s.size(), pos = -1;
        for (int j = n-1; j >= 0; j--) {
            if (s[j] != 'a') {
                pos = j;
                break;
            }
        }
        if (pos == -1) {
            cout << "NULL" << endl;
            cout << "Happy Chinese New Year!" << endl;
        } else {
            s[pos]--;
            for (int j = pos+1; j < n; j++) s[j] = 'z';
            cout << s << endl;
            if ((int)str.find(s) == -1) cout << "Happy Chinese New Year!" << endl;
            else cout << "Happy New Year!" << endl;
        }
    }
    return 0;
}
```

P1615 西游记公司

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

using namespace std;

int main()
{
    long long a, b, c, a2, b2, c2;
    char d;
    cin >> a >> d >> b >> d >> c;
    cin >> a2 >> d >> b2 >> d >> c2;
    long long n;
    cin >> n;
    long long t1 = a*3600 + b*60 + c;
    long long t2 = a2*3600 + b2*60 + c2;
    long long ans = (t2-t1)*n;
    cout << ans << endl;
    return 0;
}
```