

旋转排列

人员

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

上周作业检查

上周作业链接: <https://www.luogu.com.cn/contest/223517>

2025-0105周日15:30

报名

编辑比赛

题目数4 | 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
#1	柳力玮	400 (4.71h)	100 (10.92min)	100 (30.97min)	100 (1.95h)	100 (2.06h)
#2	田心一	400 (5.97h)	100 (12.07min)	100 (34.93min)	100 (1.77h)	100 (3.42h)
#3	赵牧之	400 (6.85h)	100 (23.00min)	100 (57.62min)	100 (1.86h)	100 (3.64h)
#4	李瑞涵	400 (7.03h)	100 (13.18min)	100 (42.72min)	100 (2.16h)	100 (3.94h)
#5	李知朔	400 (10.44d)	100 (10.28min)	100 (46.93min)	100 (5.20d)	100 (5.20d)
#6	韩昱辰	400 (10.59d)	100 (35.42min)	100 (1.35h)	100 (5.27d)	100 (5.24d)
#7	苑钊	400 (12.47d)	100 (14.62min)	100 (34.73min)	100 (6.23d)	100 (6.21d)
#8	纪博涵	364 (24.86d)	100 (6.97d)	100 (5.78d)	64 (6.98d)	100 (5.80d)
#9	吴念远	300 (7.01d)	100 (32.23min)	100 (1.40h)	100 (6.93d)	
#10	周沁言	300 (13.58d)	100 (17.38min)	100 (6.78d)	100 (6.79d)	
#11	亓骏泽	250 (6.00d)	50 (24.13min)	100 (42.02min)		100 (5.96d)
#12	王馨琪	236 (2.84h)	100 (15.80min)	100 (37.65min)	36 (1.95h)	
#13	初锦阳	170 (2.37h)	100 (1.21h)	70 (1.15h)		
#14	刘子轩	110 (53.63min)	100 (19.00min)	10 (34.63min)		

作业

<https://www.luogu.com.cn/contest/224547> (课上讲了 A B C D E 题, 课后必做作业是 G 题, 选做作业是 E F 题)

课堂表现

同学们课上整体听课做题都很认真, 希望同学们继续保持。

课堂内容

U478306 180°旋转

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

using namespace std;

int main()
{
    string s;
    cin >> s;
    reverse(s.begin(), s.end());
    for (int i = 0; i < s.size(); i++) {
        if (s[i] == '6') {
            s[i] = '9';
        } else if (s[i] == '9') {
            s[i] = '6';
        }
    }
    cout << s << endl;
    return 0;
}
```

P1125 [NOIP2008 提高组] 笨小猴

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

using namespace std;

int cnt[1000];

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

    int maxx = 0, minn = 100000000;
    for (int i = 'a'; i <= 'z'; i++) {
        if (cnt[i] > 0) {
            maxx = max(maxx, cnt[i]);
            minn = min(minn, cnt[i]);
        }
    }

    int k = maxx - minn;
```

```
if (k < 2) {
    cout << "No Answer" << endl;
    cout << 0 << endl;
} else {
    bool flag = true;
    for (int i = 2; i*i <= k; i++) {
        if (i%k == 0) {
            flag = false;
            break;
        }
    }
    if (flag == true) {
        cout << "Lucky Word" << endl;
        cout << k << endl;
    } else {
        cout << "No Answer" << endl;
        cout << 0 << endl;
    }
}
return 0;
}
```

P1598 垂直柱状图

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

using namespace std;

int cnt[1000];

int main()
{
    string s;
    for (int i = 1; i <= 4; i++) {
        getline(cin, s);
        int n = s.size();
        for (int j = 0; j < n; j++) {
            cnt[s[j]]++;
        }
    }

    int maxx = 0;
    for (int i = 'A'; i <= 'Z'; i++) {
        maxx = max(maxx, cnt[i]);
    }

    for (int i = maxx; i >= 1; i--) {
        for (int j = 'A'; j <= 'Z'; j++) {
            if (cnt[j] >= i) cout << "* ";
            else cout << " ";
        }
    }
}
```

```
        cout << endl;
    }

    for (int i = 'A'; i <= 'Z'; i++) {
        cout << char(i) << " ";
    }
    cout << endl;
    return 0;
}
```

B3688 [语言月赛202212] 旋转排列

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

using namespace std;

int a[2005];

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

    while (true) {
        int t = a[n];
        for (int i = n; i >= 2; i--) {
            a[i] = a[i-1];
        }
        a[1] = t;
        for (int i = 1; i <= n; i++) {
            cout << a[i] << " ";
        }
        cout << endl;
        if (a[n] == n) {
            break;
        }
    }
    return 0;
}
```

P1008 [NOIP1998 普及组] 三连击

枚举第一个数, 这样就知道后两个数的值了, 然后判断是否1~9全出现了即可