

flip

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 到课, 初锦阳、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/222546>

2024-1229周日15:30

报名

编辑比赛

题目数11 | 报名人数15

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	H	I	J	K
#1	柳力玮	1100 (11.67h)	100 (8.57min)	100 (15.03min)	100 (29.03min)	100 (37.42min)	100 (47.87min)	100 (53.68min)	100 (1.64h)	100 (1.43h)	100 (1.68h)	100 (1.77h)	100 (1.96h)
#2	田心一	1100 (20.88d)	100 (15.03min)	100 (42.07min)	100 (6.78d)	100 (58.10min)	100 (6.80d)	100 (57.10min)	100 (2.01h)	100 (1.43h)	100 (2.07h)	100 (2.11h)	100 (6.85d)
#3	韩昱辰	1100 (24.86d)	100 (7.63min)	100 (54.15min)	100 (5.15d)	100 (5.73d)	100 (2.98d)	100 (1.05h)	100 (1.68h)	100 (1.42h)	100 (1.77h)	100 (5.13d)	100 (6.79d)
#4	李瑞涵	1010 (2.94d)	100 (16.42min)	100 (31.87min)	100 (1.25d)	100 (42.63min)	100 (1.05h)	100 (1.01h)	100 (1.66h)	100 (1.43h)	100 (1.69h)	100 (1.78h)	10 (1.26d)
#5	赵牧之	1000 (10.46d)	100 (14.15min)	100 (42.18min)	100 (5.91d)	100 (2.08d)	100 (2.11d)	100 (1.24h)	100 (1.69h)	100 (1.50h)	100 (1.71h)	100 (1.83h)	
#6	初锦阳	800 (12.91h)	100 (15.98min)	100 (42.15min)			100 (4.22h)	100 (55.22min)	100 (1.71h)	100 (1.49h)	100 (1.74h)	100 (1.87h)	
#7	李知朔	800 (12.45d)	100 (15.98min)	100 (50.68min)			100 (6.09d)	100 (1.02h)	100 (1.73h)	100 (1.49h)	100 (1.90h)	100 (6.05d)	
#8	苑钊	790 (3.35d)	100 (16.38min)	90 (33.45min)			100 (1.18h)	100 (1.04h)	100 (2.18h)	100 (1.49h)	100 (2.03h)	100 (2.98d)	
#9	纪博涵	700 (8.53h)	100 (9.97min)	100 (24.92min)				100 (1.10h)	100 (1.71h)	100 (1.44h)	100 (1.78h)	100 (1.91h)	
#10	亓骏泽	600 (9.88h)	100 (21.03min)	100 (45.37min)				100 (1.04h)	100 (1.82h)		100 (1.90h)	100 (4.01h)	
#11	王馨琪	600 (10.63h)	100 (18.10min)	100 (1.45h)				100 (1.54h)	100 (2.33h)	100 (3.09h)	100 (1.93h)		
#12	周沁言	600 (18.97d)	100 (26.43min)					100 (1.39h)	100 (6.27d)	100 (6.27d)	100 (1.89h)	100 (6.27d)	
#13	吴念远	400 (4.32h)	100 (23.23min)	100 (49.72min)				100 (1.46h)		100 (1.65h)			
#14	宫正泽	100 (1.39h)	100 (1.39h)										

作业

<https://www.luogu.com.cn/contest/223517>

课堂表现

今天讲了上周的作业, 很多同学上周有比较多没做完的题目, 一定要好好补一补上周的题目。

课堂内容

P5639 【CSGRound2】守序者的尊严

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

using namespace std;

typedef long long LL;
const int maxn = 1e6 + 5;
int w[maxn];

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

    int res = 1;
    for (int i = 2; i <= n; ++i) {
        if (w[i] != w[i-1]) ++res;
    }

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

P1007 独木桥

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

using namespace std;

int main()
{
    int L, n; cin >> L >> n;
    int res1 = 0, res2 = 0;
    for (int i = 1; i <= n; ++i) {
        int x; cin >> x;
        res1 = max(res1, min(x, L+1-x));
        res2 = max(res2, max(x, L+1-x));
    }

    cout << res1 << " " << res2 << endl;
    return 0;
}
```

U516892 flip

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

using namespace std;

int main()
{
    int T; cin >> T;
    for (int j = 1; j <= T; j++) {
        int n; cin >> n;
        string str; cin >> str;
        int cnt = 0;
        for (int i = 0; i < (int)str.size(); i++) {
            if (str[i] == '1') ++cnt;
        }

        if (cnt&1) { cout << -1 << endl; continue; }
        if (cnt==0 || cnt>=4) { cout << cnt/2 << endl; continue; }

        if (str=="011" || str=="110") { cout << -1 << endl; continue; }
        if (str=="0110") { cout << 3 << endl; continue; }
        int res = 1;
        for (int i = 0; i < (int)str.size()-1; ++i) {
            if (str[i]=='1' && str[i+1]=='1') { res = 2; break; }
        }
        cout << res << endl;
    }
    return 0;
}
```

P1146 硬币翻转

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

using namespace std;

const int maxn = 100 + 5;
char s[maxn];

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) s[i] = '0';

    cout << n << endl;
    for (int i = 1; i <= n; ++i) {
        for (int j = 1; j <= n; ++j) {
            if (j == i) continue;
            if (s[j] == '0') s[j] = '1';
            else s[j] = '0';
        }
    }
}
```

```
    cout << (s+1) << endl;
}
return 0;
}
```

P1181 数列分段 Section I

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

using namespace std;

const int maxn = 1e5 + 5;
int w[maxn];

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

    int res = 0, sum = 0;
    for (int i = 1; i <= n; ++i) {
        if (sum + w[i] <= m) sum += w[i];
        else {
            sum = w[i], res++;
        }
    }

    cout << res+1 << endl;
    return 0;
}
```

P1765 手机

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

using namespace std;

int main()
{
    string s;
    getline(cin, s);

    int res = 0;
    for (int i = 0; i < (int)s.size(); ++i) {
        if
(s[i]=='a' || s[i]=='d' || s[i]=='g' || s[i]=='j' || s[i]=='m' || s[i]=='p' || s[i]=='t' || s[i]
=='w' || s[i]==' ') res++;
        else if
```

```
(s[i]=='b' || s[i]=='e' || s[i]=='h' || s[i]=='k' || s[i]=='n' || s[i]=='q' || s[i]=='u' || s[i]
=='x') res += 2;
    else if (s[i]=='s' || s[i]=='z') res += 4;
    else res += 3;
}
cout << res << endl;
return 0;
}
```

B3920 [语言月赛 202401] Genshin 玩家

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

using namespace std;

int main()
{
    string s; cin >> s;
    int n = s.size();

    string a = "Genshin", b = "player";
    int na = a.size(), nb = b.size(), res = 0;
    for (int i = 0; i+na-1 < n; ++i) {
        for (int j = i+na; j+nb-1 < n; ++j) {
            if (s.substr(i,na)==a && s.substr(j,nb)==b) ++res;
        }
    }
    cout << res << endl;
    return 0;
}
```