

# palindrome

## 人员

郭栩睿、洪晨栋、洪晨棋、徐本正、李沛都、陶汇笙、罗启宸、崔宸赫、张昱霖、邹忆航 到课

## 作业检查

上周作业链接: <https://www.luogu.com.cn/contest/228186>

2025-0125周六10:30

报名

编辑比赛

题目数7 | 报名人数11

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
#1	郭栩睿	800 (3.39d)	100 (20.10min)	100 (41.52min)	100 (59.77min)	100 (1.56h)	100 (1.78h)	100 (1.99h)	100 (3.08d)
#2	洪晨栋	700 (12.41d)	100 (20.43min)	100 (39.25min)	100 (1.23h)	100 (1.67h)	100 (4.08d)	100 (4.07d)	100 (4.09d)
#3	陶汇笙	537 (7.17h)	100 (19.80min)	100 (34.68min)	100 (1.03h)	100 (1.41h)	37 (1.83h)	100 (1.99h)	
#4	洪晨棋	500 (8.32d)	100 (23.52min)	100 (47.30min)	100 (4.09d)	100 (1.67h)	100 (4.12d)		
#5	罗启宸	400 (4.51h)	100 (52.28min)	100 (34.68min)	100 (1.44h)	100 (1.61h)			
#6	徐本正	337 (4.37h)	100 (19.90min)	100 (32.93min)		100 (1.59h)	37 (1.90h)		
#7	张曦月	300 (2.70h)	100 (27.85min)	100 (50.42min)	100 (1.39h)				
#8	宋吉相	200 (3.59d)	100 (1.30d)	100 (2.29d)					
#9	李沛都	100 (53.03min)		100 (53.03min)					

## 作业

<https://www.luogu.com.cn/contest/229689> (课上讲了 A~C 3 个题, 课后作业是 D 题)

## 课堂表现

今天的题目整体比较难, 有一部分课上做题做的不太好, 课下要好好补题。

课上做题表现比较好的同学有 洪晨栋、郭栩睿 2 位同学, 对这 2 位同学提出表扬!!

## 课堂内容

AT\_abc225\_c Calendar Validator

```

#include<bits/stdc++.h>
using namespace std;
const int k=1e4+10;
int a[k][10];
int main()
{
    ios::sync_with_stdio(false);
    cin.tie(0),cout.tie(0);
    int n,m;cin>>n>>m;
    for(int i=1;i<=n;++i)
    {
        for(int j=1;j<=m;++j)
        {
            cin>>a[i][j];
        }
    }

    if ((a[1][1]-1)/7 != (a[1][m]-1)/7) {
        cout << "No";
        return 0;
    }

    for(int i=1;i<=n;++i)
    {
        for(int j=2;j<=m;++j)
        if(a[i][j]!=a[i][j-1]+1)
        {
            cout<<"No";
            return 0;
        }
    }

    for (int i = 2; i <= n; i++) {
        for (int j = 1; j <= m; j++) {
            if (a[i][j] != a[i-1][j]+7) {
                cout << "No";
                return 0;
            }
        }
    }

    cout<<"Yes";
    return 0;
}

```

## U516880 palindrome

```

#include <bits/stdc++.h>

using namespace std;

```

```

typedef long long LL;

int calc(string t) { // 计算把 t 改成回文需要改几个字母
    int cnt = 0;
    for (int i = 0, j = t.size()-1; i<j; i++, j--) {
        if (t[i] != t[j]) cnt++;
    }
    return cnt;
}

int main()
{
    LL n, a, b; cin >> n >> a >> b;
    string s; cin >> s;

    LL minn = 1e18;
    for (int i = 0; i < n; i++) {
        string t = s.substr(i) + s.substr(0, i);
        int len = calc(t);
        long long c = i*a + len*b;
        minn = min(minn, c);
    }
    cout << minn << endl;
    return 0;
}

```

## U516885 string

```

#include <bits/stdc++.h>

using namespace std;

int main()
{
    int T; cin >> T;
    for (int k = 1; k <= T; k++) {
        string s; cin >> s;
        int cnt0 = 0, cnt1 = 0, n = s.size();
        for (int i = 0; i < n; i++) {
            if (s[i] == '0') cnt0++;
            else cnt1++;
        }

        int sum = 0;
        for (int i = 0; i < n; i++) {
            if (s[i] == '0') cnt1--;
            else cnt0--;
            if (cnt0<0 || cnt1<0) break;
            sum++;
        }
    }
}

```

```
        cout << n - sum << endl;  
    }  
    return 0;  
}
```