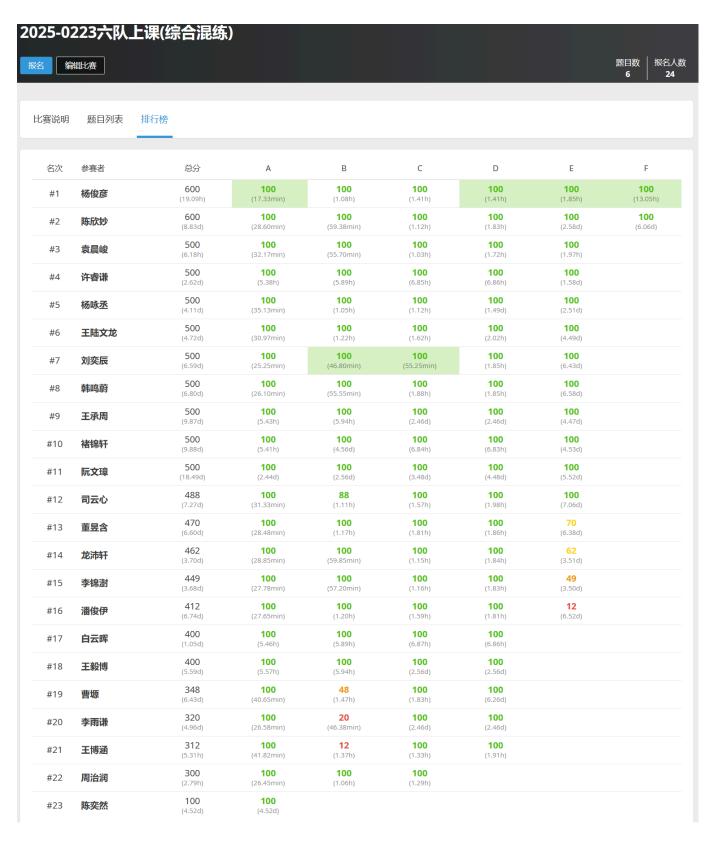
综合混练

人员

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上周作业检查

https://www.luogu.com.cn/contest/232369



作业

https://www.luogu.com.cn/contest/233685 (课上讲了 A~D 题, 课后作业是 E、F 题)

课堂表现

今天课上绝大部分同学听讲做题都很认真,只有几位同学讲话有点多,以后要进行改正。

课堂内容

U532369 transmit

```
#include <bits/stdc++.h>
using namespace std;
const int maxn = 2e5 + 5;
int w[maxn], p[maxn];
int main()
{
    int n;
    long long k;
    cin >> n >> k;
    for (int i = 1; i <= n; ++i) cin >> w[i];
    int id = 1;
    for (long long i = 1; i <= k; i++) {
        id = w[id];
        if (p[id] != 0) {
            int t = i - p[id];
            k -= i;
            k %= t;
            for (int j = 1; j <= k; j++) {
                id = w[id];
            }
            cout << id << endl;</pre>
            return 0;
        } else {
            p[id] = i;
        }
    cout << id << endl;</pre>
    return 0;
}
```

U516880 palindrome

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

using namespace std;

typedef long long LL;

int calc(string t) {
    int cnt = 0;
    for (int i = 0, j = t.size()-1; i<j; i++, j--) {
        if (t[i] != t[j]) cnt++;
    }
    return cnt;</pre>
```

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

LL minn = le18;
    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;
}</pre>
```

U536903 replace

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

using namespace std;

int main()
{
   long long n, k; cin >> n >> k;
   cout << min(n%k, k-n%k) << endl;
   return 0;
}</pre>
```

U534223 variable

```
int main() {
    int n; cin >> n;
    LL res = 0;
    for (int i = 1; i <= n-1; i++) {
        int j = n-i;
        res += (LL)calc(i) * calc(j);
    }
    cout << res << endl;
    return 0;
}</pre>
```

P8649 [蓝桥杯 2017 省 B] k 倍区间

```
#include <bits/stdc++.h>
using namespace std;
const int maxn = 1e5 + 5;
int w[maxn];
long long p[maxn];
int f[maxn];
int main()
{
    int n, k; cin >> n >> k;
    for (int i = 1; i \le n; ++i) cin >> w[i];
    for (int i = 1; i <= n; ++i) p[i] = p[i-1] + w[i];
    f[0] = 1;
    for (int i = 1; i <= n; ++i) {
        int t = p[i] \% k;
        f[t]++;
    }
    long long cnt = 0;
    for (int i = 0; i < k; ++i) cnt += (long long)f[i]*(f[i]-1)/2;
    cout << cnt << endl;</pre>
    return 0;
}
```

U516892 flip

```
#include <bits/stdc++.h>
using namespace std;
int main()
{
```

```
int T; cin >> T;
    for (int i = 1; i <= T; i++) {
        int n; string s;
        cin >> n >> s;
        int cnt = 0;
        for (int j = 0; j < n; j++) {
            if (s[j] == '1') cnt++;
        }
        if (cnt%2 == 1) cout << -1 << endl;
        else {
            if (cnt != 2) cout << cnt/2 << endl;</pre>
            else {
                int l = s.find("1"), r = s.rfind("1");
                if (l+1 != r) cout << 1 << endl;
                else {
                    if (s=="011" || s=="110") cout << -1 << endl;
                    else if (s == "0110") cout << 3 << endl;
                    else cout << 2 << endl;</pre>
                }
            }
        }
    }
    return 0;
}
```