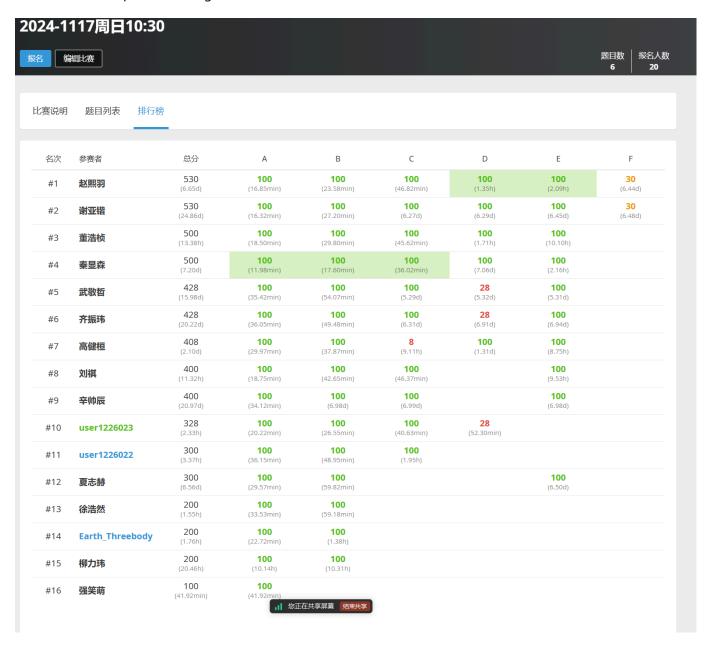
小小的埴轮兵团

人员

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作业检查

上周作业链接: https://www.luogu.com.cn/contest/214205



作业

https://www.luogu.com.cn/contest/215772

课堂表现

同学们课下还是要努力尝试作业题,有些题目可能拿满分比较难,但是努力尝试了肯定是可以拿到暴力分的。

课堂内容

U497831 百钱买百鸡 2

```
#include <iostream>
using namespace std;
int main() {
    int n,a,b,c;
    bool flag=false;
    cin>>n>>a>>b>>c;
    for(int i=1;i<=n;i++){
        for(int j=n;j>=1;j--){
            for(int k=c;k<=n*c;k+=c){
                 if(i+j+k==n\&i*a+j*b+k/c==n){
                     flag=true;
                     cout<<i<<" "<<j<<" "<<k<<endl;</pre>
                 }
            }
        }
    if(flag==false){
        cout<<"-1";
    return 0;
}
```

U497832 百钱买百鸡 3

```
#include <iostream>
using namespace std;
int main() {
    int n,a,b,c;
    bool flag=false;
    cin>>n>>a>>b>>c;
    for(int i=1;i<=n;i++){
        for(int j=n;j>=1;j--){
            int k=n-i-j;
            if(k\%c==0\&k^*a+j^*b+k/c==n\&k>0){
                 flag=true;
                 cout<<i<<" "<<j<<" "<<k<<endl;</pre>
            }
        }
    if(flag==false){
        cout<<"-1";
    }
```

```
return 0;
}
```

U506943 回文数

U504498 字符串解压

```
#include <bits/stdc++.h>
using namespace std;
const int maxn = 100 + 5;
char s[maxn];
int main()
 cin >> (s+1);
 int n = strlen(s+1);
 int cnt = 0;
 for (int i = 1; i <= n; ++i) {
   if (isdigit(s[i])) cnt = cnt*10 + s[i]-'0';
     if (cnt == 0) cnt = 1;
     for (int j = 1; j <= cnt; ++j) cout << s[i];
     cnt = 0;
    }
 return 0;
}
```

U504494 并集与交集

```
#include <bits/stdc++.h>
using namespace std;
int main()
 int n, m; cin >> n >> m;
 set<int> s, s2, s3;
 while (n -- ) {
   int x; cin >> x; s.insert(x);
    s2.insert(x);
  }
  while (m -- ) {
   int x; cin >> x; s.insert(x);
   if (s2.count(x)) s3.insert(x);
  }
  for (int i : s) cout << i << " "; cout << endl;</pre>
 for (int i : s3) cout << i << " "; cout << endl;
  return 0;
}
```

P7505 「Wdsr-2.5」小小的埴轮兵团

不去真正的改变每一个数, 而是去维护一个统一的改变量

```
#include <bits/stdc++.h>
using namespace std;
typedef long long LL;
const int maxn = 3e5 + 5;
int w[maxn];
int main()
{
    int n, m, k; cin >> n >> m >> k;
    for (int i = 1; i <= n; ++i) cin >> w[i];
    sort(w+1, w+n+1);
    deque<int> dq;
    for (int i = 1; i <= n; i++) {
        if (w[i] \ge -k \&\& w[i] \le k) dq.push_back(w[i]);
    }
    LL sum = 0;
    while (m -- ) {
```

```
int op; cin >> op;
if (op == 1) {
    int x; cin >> x; sum += x;
    while (!dq.empty() && dq.back()+sum > k) dq.pop_back();
} else if (op == 2) {
    int x; cin >> x; sum -= x;
    while (!dq.empty() && dq.front()+sum < -k) dq.pop_front();
} else {
    cout << dq.size() << endl;
}
return 0;
}</pre>
```