corona.md 2025-03-01

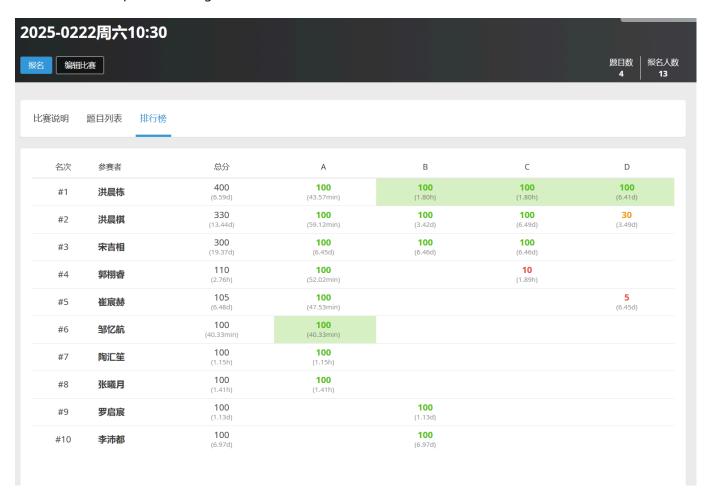
corona

人员

郭栩睿、洪晨栋、洪晨棋、李沛都、陶汇笙、罗启宸、邹忆航、宋吉相、张曦月、王恩泽、崔宸赫、张昱霖 到 课

作业检查

上周作业链接: https://www.luogu.com.cn/contest/232154



作业

https://www.luogu.com.cn/contest/233447 (课上讲了 A~C 3 个题, 课后作业是 D 题)

课堂表现

今天课上做题表现比较好的同学有洪晨栋、陶汇笙2位同学,其他同学也要向这2位同学进行学习。

课堂内容

B3975 [语言月赛 202405] 最大的和

corona.md 2025-03-01

```
#include <bits/stdc++.h>
using namespace std;
const int maxn = 2000 + 5;
int w[maxn][maxn];
int a[maxn], b[maxn], c[maxn*2];
map<int, int> mp;
int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= n; j++) {
            int x; cin >> x;
            a[i] += x, b[j] += x;
            c[i+j] += x, mp[i-j] += x;
        }
    }
    int maxx = -10000000;
    for (int i = 1; i \leftarrow n; i++) maxx = max(maxx, a[i]);
    for (int i = 1; i <= n; i++) maxx = max(maxx, b[i]);
    for (int i = 2; i \leftarrow 2*n; i++) maxx = max(maxx, c[i]);
    for (int i = 1-n; i <= n-1; i++) maxx = max(maxx, mp[i]);
    cout << maxx << endl;</pre>
    return 0;
}
```

U536864 corona

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

using namespace std;

const int maxn = 2000 + 5;
int w[maxn][maxn];
int a[maxn], b[maxn], c[maxn*2];
map<int, int> mp;

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= n; j++) {
            int x; cin >> x;
            a[i] += x, b[j] += x;
            c[i+j] += x, mp[i-j] += x;
    }
}
```

corona.md 2025-03-01

```
int maxx = -10000000;
for (int i = 1; i <= n; i++) maxx = max(maxx, a[i]);
for (int i = 1; i <= n; i++) maxx = max(maxx, b[i]);
for (int i = 2; i <= 2*n; i++) maxx = max(maxx, c[i]);
for (int i = 1-n; i <= n-1; i++) maxx = max(maxx, mp[i]);
cout << maxx << endl;
return 0;
}</pre>
```

P1702 突击考试

```
#include <bits/stdc++.h>
using namespace std;
const int maxn = 100000 + 5;
int a[maxn], b[maxn], len[10];
int n;
int calc(int t) {
    int cnt = 0, maxx = 0;
    for (int i = 1; i <= n; i++) {
        if (a[i]==t || b[i]==t) cnt++;
        else cnt = 0;
        maxx = max(maxx, cnt);
    return maxx;
}
int main()
{
    cin >> n;
    for (int i = 1; i <= n; i++) cin >> a[i] >> b[i];
    int maxx = 0;
    for (int i = 1; i <= 5; i++) len[i] = calc(i), maxx = max(maxx, len[i]);
    for (int i = 1; i <= 5; i++) {
        if (len[i] == maxx) {
            cout << maxx << " " << i << endl;</pre>
            break;
        }
    }
    return 0;
}
```