

Many Segments

人员

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上周作业检查

上周作业链接: <https://www.luogu.com.cn/contest/233835>

2025-0302周日15:30

报名

编辑比赛

题目数5 | 报名人数21

比赛说明 | 题目列表 | 排行榜

名次	参赛者	总分	A	B	C	D	E
#1	柳力玮	500 (1.43d)	100 (9.25min)	100 (1.50h)	100 (1.82h)	100 (2.15h)	100 (1.19d)
#2	苑钊	500 (1.44d)	100 (19.07min)	100 (1.57h)	100 (1.81h)	100 (1.14d)	100 (3.61h)
#3	赵牧之	500 (4.54d)	100 (19.27min)	100 (1.51h)	100 (1.89h)	100 (2.23d)	100 (2.16d)
#4	王馨琪	400 (11.41h)	100 (21.97min)	100 (1.48h)	100 (4.63h)		100 (4.94h)
#5	韩昱辰	400 (4.42d)	100 (14.97min)	100 (1.45h)	100 (2.09h)	100 (4.26d)	
#6	姜皓轩	400 (7.34d)	100 (1.14h)	100 (2.06d)	100 (1.20d)	100 (4.03d)	
#7	李知朔	400 (10.53d)	100 (18.92min)	100 (1.67h)	100 (5.22d)		100 (5.23d)
#8	田心一	315 (13.70d)	100 (18.93min)	100 (1.47h)	15 (6.78d)		100 (6.85d)
#9	温郝冬	300 (2.30d)	100 (19.17min)	100 (1.51h)	100 (2.22d)		
#10	燕润石	300 (6.87d)	100 (19.53min)	100 (1.42h)		100 (6.80d)	
#11	初锦阳	200 (1.80h)	100 (18.68min)	100 (1.49h)			
#12	纪博涵	200 (1.86h)	100 (17.17min)	100 (1.57h)			
#13	李瑞涵	200 (1.90h)	100 (26.03min)	100 (1.47h)			
#14	刘子轩	200 (1.92h)	100 (21.82min)	100 (1.55h)			
#15	倪炜艺	200 (1.93h)	100 (21.07min)	100 (1.58h)			
#16	谢梓轩	200 (2.01h)	100 (18.92min)	100 (1.70h)			
#17	niweiyi	200 (10.05d)	100 (3.30d)	100 (6.76d)			
#18	刘梓勋	200 (13.89d)	100 (6.94d)		100 (6.95d)		
#19	宋云朗	100 (1.58h)	100 (1.58h)				

作业

<https://www.luogu.com.cn/contest/235071> (课上讲了 A ~ D 题, 课后作业是 E 题, E 题比较难一些, 不强求同学们必须做出来, 努力就可以)

课堂表现

这节课同学们的上课纪律比之前好很多, 做题表现也好了很多, 希望同学们以后继续保持。

课堂内容

U516887 digit

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

using namespace std;

const int maxn = 200005;
const int mod = 998244353;
char a[maxn], b[maxn];

int main()
{
    int n;
    cin >> n;
    cin >> (a+1) >> (b+1);

    for (int i = 1; i <= n; ++i) {
        if (a[i] > b[i]) swap(a[i], b[i]);
    }

    long long x = 0, y = 0;
    for (int i = 1; i <= n; ++i) {
        x = (x*10 + a[i]-'0') % mod;
        y = (y*10 + b[i]-'0') % mod;
    }
    cout << (x*y) % mod << endl;
    return 0;
}
```

AT_abc307_d [ABC307D] Mismatched Parentheses

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

using namespace std;

int main()
{
    string s;
```

```

    for (int i = 0; i <= 100000; i++) s += "0xx";

    string t; cin >> t;
    if (s.find(t) != string::npos) cout << "Yes" << endl;
    else cout << "No" << endl;
    return 0;
}

```

AT_abc224_c [ABC224C] Triangle?

```

#include <bits/stdc++.h>

using namespace std;

typedef long long LL;
const int maxn = 300 + 5;
int x[maxn], y[maxn];

bool check(int x1, int y1, int x2, int y2, int x3, int y3) {
    int dy1 = y2-y1, dx1 = x2-x1;
    int dy2 = y3-y1, dx2 = x3-x1;
    return (LL)dy1*dx2 == (LL)dy2*dx1;
}

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

    int res = 0;
    for (int i = 1; i <= n; ++i) {
        for (int j = i+1; j <= n; ++j) {
            for (int k = j+1; k <= n; ++k) {
                if (!check(x[i],y[i],x[j],y[j],x[k],y[k])) ++res;
            }
        }
    }
    cout << res << endl;
    return 0;
}

```

AT_abc233_b [ABC233B] A Reverse

```

#include <bits/stdc++.h>

using namespace std;

int main()

```

```
{
    int l, r; cin >> l >> r;
    --l, --r;
    string s; cin >> s;
    reverse(s.begin()+l, s.begin()+r+1);
    cout << s << endl;
    return 0;
}
```

AT_abc207_c [ABC207C] Many Segments

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

using namespace std;

const int maxn = 2000 + 5;
struct node {
    double l, r;
} w[maxn];

bool check(node p, node q) {
    return min(p.r, q.r) >= max(p.l, q.l);
}

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) {
        int op, l, r; cin >> op >> l >> r;
        if (op == 1) w[i] = {l, r};
        else if (op == 2) w[i] = {l, r-0.1};
        else if (op == 3) w[i] = {l+0.1, r};
        else w[i] = {l+0.1, r-0.1};
    }

    int res = 0;
    for (int i = 1; i <= n; ++i) {
        for (int j = i+1; j <= n; ++j) {
            if (check(w[i], w[j])) ++res;
        }
    }
    cout << res << endl;
    return 0;
}
```

AT_abc315_c [ABC315C] Flavors

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

using namespace std;

const int maxn = 3e5 + 5;
struct node {
    int id, value;
} w[maxn];

bool cmp(node p, node q) {
    return p.value > q.value;
}

int main()
{
    int n; cin >> n;
    for (int i = 1; i <= n; ++i) cin >> w[i].id >> w[i].value;
    sort(w+1, w+n+1, cmp);

    for (int i = 2; i <= n; ++i) {
        if (w[i].id == w[1].id) w[i].value /= 2;
    }
    sort(w+1, w+n+1, cmp);

    cout << w[1].value + w[2].value << endl;
    return 0;
}
```