

比赛链接：<https://codeforc.es/contest/1385>

pro 3.5 / 7

A

- 题意：多组数据，每组三个正整数 x, y, z 构造 a, b, c 满足 $x = \max(a, b)$, $y = \max(a, c)$, $z = \max(b, c)$
- 题解：签到题，分类特判即可

```
#include<bits/stdc++.h>
using namespace std;

typedef long long ll;
const int maxn = 2e5 + 5;
const double pi = acos(-1);
const int mod = 998244353;

int x, y, z, a, b, c;
int t;

int main(){
    cin >> t;
    while(t--){
        cin >> x >> y >> z;
        int a = (x == y) + (x == z) + (y == z);
        if(!a){
            puts("NO");
            continue;
        }
        else if(a == 3){
            puts("YES");
            cout << x << ' ' << x << ' ' << x << endl;
            continue;
        }
        else{
            if((x == y && z > x) || (x == z && y > x) || (y == z && x > y))
                puts("NO");
            else{
                puts("YES");
                if(x == y) cout << x << ' ' << z << ' ' << z << endl;
                else if(x == z) cout << x << ' ' << y << ' ' << y << endl;
                else cout << y << ' ' << x << ' ' << x << endl;
            }
        }
    }
}
```

B

- 题意：给定多组有且仅有两次重复的数字序列，在不影响相对顺序的前提下去重
- 题解：签到题，打标记跳输出即可

```
#include<bits/stdc++.h>
using namespace std;

typedef long long ll;
const int maxn = 2e5 + 5;
const double pi = acos(-1);
const int mod = 998244353;

int t;
int n;
int a[105];

int main(){
    cin >> t;
    while(t--){
        cin >> n;
        int tmp;
        memset(a, 0, sizeof(a));
        for(int i = 1; i <= 2 * n; ++i){
            cin >> tmp;
            if(a[tmp]) continue;
            cout << tmp << ' ';
            a[tmp] = 1;
        }
        puts("");
    }
}
```

C

- 题意：定义“good”序列：每次从首位或末位拿出元素，组成的新序列单调不降。多组数据，给定序列，询问删去从首位开始的至少多少元素，可以使序列成为“good”序列？
- 题解：所谓“good”序列就是从首末开始到某一位置都单调不降的序列，只需倒序遍历，先找不降序列，由此后找不升序列，统计剩余元素个数输出即可

```
#include<bits/stdc++.h>
using namespace std;

typedef long long ll;
const int maxn = 2e5 + 5;
const double pi = acos(-1);
```

```
const int mod = 998244353;

int t;
int n;
int a[maxn];

int main(){
    cin >> t;
    while(t--){
        cin >> n;
        for(int i = 1; i <= n; ++i) cin >> a[i];
        if(n == 1){
            cout << 0 << endl;
            continue;
        }
        int p = -1, q = -1;
        for(int i = n; i > 1; --i){
            if(a[i-1] < a[i]){
                p = i;
                break;
            }
        }
        if(p == -1){
            cout << 0 << endl;
            continue;
        }
        for(int i = p; i > 1; --i){
            if(a[i-1] > a[i]){
                q = i;
                break;
            }
        }
        if(q == -1) cout << 0 << endl;
        else cout << q - 1 << endl;
    }
}
```

D

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