

# A. Multiple Choice

## Submission 128617035

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:05:20	Multiple Choice	C	Accepted

### Code

```
#include<stdio.h>
int main(){
    printf("BCADC");
    return 0;
}
```

### Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok the participant's output is correct
- Subtask 1 - Accepted
  - Test 1 - Accepted : ok the participant's output is correct
  - Test 2 - Accepted : ok the participant's output is correct

## Submission 128616837

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:04:47	Multiple Choice	C	Compile Error

### Code

```
#Include<stdio.h>
int main(){
    printf("BCAAC");
    return 0;
}
```

### Test Detail

- Compile Error

```
/tmp/compiler_71ap4f3p/src:1:2: 错误: invalid preprocessing directive #Include; did you mean #include?
 1 | #Include<stdio.h>
   | ^~~~~~
   | include
/tmp/compiler_71ap4f3p/src: 在函数‘main’中:
/tmp/compiler_71ap4f3p/src:3:5: 警告: 隐式声明函数‘printf’ [-Wimplicit-function-declaration]
 3 |     printf("BCAAC");
   |     ^~~~~~
/tmp/compiler_71ap4f3p/src:1:1: 附注: include ‘<stdio.h>’ or provide a declaration of ‘printf’
+++ |+#include <stdio.h>
 1 | #Include<stdio.h>
/tmp/compiler_71ap4f3p/src:3:5: 警告: 隐式声明与内建函数‘printf’不兼容 [-Wbuiltin-declaration-mismatch]
 3 |     printf("BCAAC");
   |     ^~~~~~
/tmp/compiler_71ap4f3p/src:3:5: 附注: include ‘<stdio.h>’ or provide a declaration of ‘printf’
```

## Submission 128616338

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:03:20	Multiple Choice	C	Unaccepted

### Code

```
#include<stdio.h>
int main(){
    printf("BCACC");
    return 0;
}
```

### Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok the participant's output is correct
- Subtask 1 - Unknown Error
  - Test 1 - Wrong Answer : wrong answer the participant's output is incorrect
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128615830

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:01:51	Multiple Choice	C	Unaccepted

Code

```
#include<stdio.h>
int main(){
    printf("BDACC");
    return 0;
}
```

Test Detail

- Subtask 0 - Unknown Error
  - Test 0 - Wrong Answer : wrong answer the participant's output is incorrect
- Subtask 1 - Unknown Error
  - Test 1 - Wrong Answer : wrong answer the participant's output is incorrect
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128614708

User	Time	Problem	Language	Verdict
Jasipop	2023/10/10 19:58:32	Multiple Choice	C++14(GCC 9)	Accepted

Code

```
#include <iostream>

int main()
{
    std::cout << "BCADC";
}
```

Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok the participant's output is correct
- Subtask 1 - Accepted
  - Test 1 - Accepted : ok the participant's output is correct
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128614670

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 19:58:25	Multiple Choice	C	Unaccepted

Code

```
#include<stdio.h>
int main(){
    printf("BBACC");
    return 0;
}
```

Test Detail

- Subtask 0 - Unknown Error
  - Test 0 - Wrong Answer : wrong answer the participant's output is incorrect
- Subtask 1 - Unknown Error
  - Test 1 - Wrong Answer : wrong answer the participant's output is incorrect
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128614518

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:58:02	Multiple Choice	C++14(GCC 9)	Accepted

Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BCADC" << endl;

    system("pause");
    return 0;
}
```

Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok the participant's output is correct
- Subtask 1 - Accepted
  - Test 1 - Accepted : ok the participant's output is correct
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128614399

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:57:38	Multiple Choice	C++14(GCC 9)	Unaccepted

Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BACDC" << endl;

    system("pause");
    return 0;
}
```

Test Detail

- Subtask 0 - Unknown Error
  - Test 0 - Wrong Answer : wrong answer the participant's output is incorrect
- Subtask 1 - Accepted
  - Test 1 - Accepted : ok the participant's output is correct
  - Test 2 - Accepted : ok the participant's output is correct

Submission 128613995

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 19:56:24	Multiple Choice	C	Compile Error

Code

```
#Include<stdio.h>
int main(){
    printf("BBACC");
    return 0;
}
```

Test Detail

- Compile Error

```
/tmp/compiler_nxwtdp0d/src:1:2: 错误: invalid preprocessing directive #Include; did you mean #include?
 1 | | #Include<stdio.h>
   | | ^~~~~~
   | | include
/tmp/compiler_nxwtdp0d/src: 在函数‘main’中:
/tmp/compiler_nxwtdp0d/src:3:5: 警告: 隐式声明函数‘printf’ [-Wimplicit-function-declaration]
 3 |     printf("BBACC");
   |     ^~~~~~
/tmp/compiler_nxwtdp0d/src:1:1: 附注: include ‘<stdio.h>’ or provide a declaration of ‘printf’
+++ |+#include <stdio.h>
 1 | | #Include<stdio.h>
/tmp/compiler_nxwtdp0d/src:3:5: 警告: 隐式声明与内建函数‘printf’不兼容 [-Wbuiltin-declaration-mismatch]
 3 |     printf("BBACC");
   |     ^~~~~~
/tmp/compiler_nxwtdp0d/src:3:5: 附注: include ‘<stdio.h>’ or provide a declaration of ‘printf’
```

Submission 128613843

User	Time	Problem	Language	Verdict
Jasipop	2023/10/10 19:55:58	Multiple Choice	C++14(GCC 9)	Unaccepted

Code

```
#include <iostream>

int main()
{
    std::cout << "BAADC";
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613671

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:55:28	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BACDC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613648

User	Time	Problem	Language	Verdict
Jasipop	2023/10/10 19:55:24	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>

int main()
{
    std::cout << "BAACC";
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613552

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:55:06	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BAADC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613350

User	Time	Problem	Language	Verdict
------	------	---------	----------	---------

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:54:29	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BBCDC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613118

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:53:47	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BBDDC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128613001

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:53:27	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BADDC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

## Submission 128612900

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:53:09	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BAADC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

### Submission 128612617

User	Time	Problem	Language	Verdict
Jasipop	2023/10/10 19:52:20	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>

int main()
{
    std::cout << "BAABC";
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
  - Test 2 - [Accepted](#) : ok the participant's output is correct

### Submission 128612597

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:52:16	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BBADC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

### Submission 128612324

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:51:25	Multiple Choice	C++14(GCC 9)	<a href="#">Unaccepted</a>

### Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BBDCC" << endl;

    system("pause");
    return 0;
}
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
  - Test 2 - [Accepted](#) : ok the participant's output is correct

Submission 128612195

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 19:51:04	Multiple Choice	C++14(GCC 9)	Accepted

Code

```
#include <bits/stdc++.h>
#define ll long long
#define mod int(1e9 + 7)
using namespace std;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);
    cout << "B"
         << "C"
         << "A"
         << "D"
         << "C";
    return 0;
}
```

Test Detail

- Subtask 0 - [Accepted](#)
  - Test 0 - [Accepted](#) : ok the participant's output is correct
- Subtask 1 - [Accepted](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Accepted](#) : ok the participant's output is correct

Submission 128612008

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 19:50:28	Multiple Choice	C++14(GCC 9)	Unaccepted

Code

```
#include <bits/stdc++.h>
#define ll long long
#define mod int(1e9 + 7)
using namespace std;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);
    cout << "B"
         << "C"
         << "A"
         << "D"
         << "A";
    return 0;
}
```

Test Detail

- Subtask 0 - [Accepted](#)
  - Test 0 - [Accepted](#) : ok the participant's output is correct
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Accepted](#) : ok the participant's output is correct
  - Test 2 - [Wrong Answer](#) : wrong answer the participant's output is incorrect

Submission 128612006

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 19:50:27	Multiple Choice	C++14(GCC 9)	Unaccepted

Code

```
#include <iostream>
using namespace std;
int main() {
    cout << "BBACC" << endl;

    system("pause");
    return 0;
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
  - Test 2 - [Accepted](#) : ok the participant's output is correct

Submission 128608092

User	Time	Problem	Language	Verdict
chijvzi	2023/10/10 19:38:43	Multiple Choice	C++14(GCC 9)	Compile Error

Code

```
include<stdio.h>
int main()
{
    printf("BCABC");
}
```

Test Detail

- Compile Error

```
/tmp/compiler_b9sl75z0/src:1:1: 错误: ‘include’不是一个类型名
1 | include<stdio.h>
  | ^~~~~~
```

Submission 128607755

User	Time	Problem	Language	Verdict
Michaelyyy	2023/10/10 19:37:41	Multiple Choice	C	<a href="#">Unaccepted</a>

Code

```
#include <stdio.h>
int main()
{
    printf("ACDCC");
    return 0;
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
- Subtask 1 - [Unknown Error](#)
  - Test 1 - [Wrong Answer](#) : wrong answer the participant's output is incorrect
  - Test 2 - [Accepted](#) : ok the participant's output is correct

Submission 128607712

User	Time	Problem	Language	Verdict
chijvzi	2023/10/10 19:37:31	Multiple Choice	C++14(GCC 9)	Compile Error

Code

```
printf("BCABC");
```

Test Detail

- Compile Error



```
SPJ compilation failed:

/tmp/compiler_rq_4_9v7/src:1:7: 错误: expected constructor, destructor, or type conversion before '(' token
1 | printf("BCABC");
  |      ^
```

# B. Comparing Sets

## Submission 128626788

User	Time	Problem	Language	Verdict
HuTao29	2023/10/10 20:32:36	Comparing Sets	Python 3	Unaccepted

### Code

```
print('=' )
```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok accepted
  - Test 1 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected >.
  - Test 2 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 3 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected <.
  - Test 4 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected >.
  - Test 5 - [Accepted](#) : ok accepted
  - Test 6 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 7 - [Accepted](#) : ok accepted
  - Test 8 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 9 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected >.
- Subtask 1 - [Unknown Error](#)
  - Test 10 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected >.
  - Test 11 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected <.
  - Test 12 - [Accepted](#) : ok accepted
  - Test 13 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 14 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 15 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected >.
  - Test 16 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected <.
  - Test 17 - [Accepted](#) : ok accepted
  - Test 18 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..
  - Test 19 - [Wrong Answer](#) : wrong answer On line 1 column 1, read =, expected ..

## Submission 128621662

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:18:07	Comparing Sets	C++14(GCC 9)	Accepted

### Code

```
#include <iostream>
#include <set>
#include <vector>
#include <algorithm>
using namespace std;
int main() {
    set<int> s1;
    set<int> s2;
    int a, b;
    cin >> a;
    int x;
    for (int i = 0; i < a; i++) {
        cin >> x;
        s1.insert(x);
    }
    cin >> b;
    int y;
    for (int i = 0; i < b; i++) {
        cin >> y;
        s2.insert(y);
    }
    vector<int> v1;
    vector<int> v2;
    v1.assign(s1.begin(), s1.end());
    v2.assign(s2.begin(), s2.end());
    vector<int> s3;
    s3.resize(min(s1.size(), s2.size()));
    vector<int>::iterator it = set_intersection(v1.begin(), v1.end(), v2.begin(), v2.end(), s3.begin());
    if (s1 == s2) {
        cout << "=";
    }
    else if (s1 != s2 && a == b) {
        cout << ".";
    }
    else {
        if (a > b) {
            if (s3 == v2) {
                cout << ">";
            }
            else {
                cout << ".";
            }
        }
        else if (a < b) {
            if (s3 == v1) {
                cout << "<";
            }
            else {
                cout << ".";
            }
        }
    }
    system("pause");
    return 0;
}
```

Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok accepted
  - Test 1 - Accepted : ok accepted
  - Test 2 - Accepted : ok accepted
  - Test 3 - Accepted : ok accepted
  - Test 4 - Accepted : ok accepted
  - Test 5 - Accepted : ok accepted
  - Test 6 - Accepted : ok accepted
  - Test 7 - Accepted : ok accepted
  - Test 8 - Accepted : ok accepted
  - Test 9 - Accepted : ok accepted
- Subtask 1 - Accepted
  - Test 10 - Accepted : ok accepted
  - Test 11 - Accepted : ok accepted
  - Test 12 - Accepted : ok accepted
  - Test 13 - Accepted : ok accepted
  - Test 14 - Accepted : ok accepted
  - Test 15 - Accepted : ok accepted
  - Test 16 - Accepted : ok accepted
  - Test 17 - Accepted : ok accepted
  - Test 18 - Accepted : ok accepted
  - Test 19 - Accepted : ok accepted

Submission 128621341

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 20:17:08	Comparing Sets	C++14(GCC 9)	Accepted

Code

```
// Problem: U361803 Comparing Sets
// Contest: Luogu
// URL: https://www.luogu.com.cn/problem/U361803?contestId=137850
// Memory Limit: 128 MB
// Time Limit: 2000 ms
// Date: 2023-10-10 19:21:07
//
// Powered by CP Editor (https://cpeditor.org)

#include <bits/stdc++.h>
#define ll long long
#define mod int(1e9 + 7)
using namespace std;

set<int> X, Y;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);
    int n;
    cin >> n;
    while (n--) {
        int tmp;
        cin >> tmp;
        X.insert(tmp);
    }
    cin >> n;
    while (n--) {
        int tmp;
        cin >> tmp;
        Y.insert(tmp);
    }

    if (X == Y) {
        cout << "=";
    } else if (includes(X.begin(), X.end(), Y.begin(), Y.end())) {
        cout << ">";
    } else if (includes(Y.begin(), Y.end(), X.begin(), X.end())) {
        cout << "<";
    } else {
        cout << ".";
    }
    return 0;
}
```

Test Detail

- Subtask 0 - Accepted
  - Test 0 - Accepted : ok accepted
  - Test 1 - Accepted : ok accepted
  - Test 2 - Accepted : ok accepted
  - Test 3 - Accepted : ok accepted
  - Test 4 - Accepted : ok accepted
  - Test 5 - Accepted : ok accepted
  - Test 6 - Accepted : ok accepted
  - Test 7 - Accepted : ok accepted
  - Test 8 - Accepted : ok accepted
  - Test 9 - Accepted : ok accepted
- Subtask 1 - Accepted
  - Test 10 - Accepted : ok accepted
  - Test 11 - Accepted : ok accepted
  - Test 12 - Accepted : ok accepted
  - Test 13 - Accepted : ok accepted
  - Test 14 - Accepted : ok accepted
  - Test 15 - Accepted : ok accepted
  - Test 16 - Accepted : ok accepted
  - Test 17 - Accepted : ok accepted
  - Test 18 - Accepted : ok accepted
  - Test 19 - Accepted : ok accepted

Submission 128620841

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 20:15:41	Comparing Sets	C++14(GCC 9)	Unaccepted

Code

```
// Problem: U361803 Comparing Sets
// Contest: Luogu
// URL: https://www.luogu.com.cn/problem/U361803?contestId=137850
// Memory Limit: 128 MB
// Time Limit: 2000 ms
// Date: 2023-10-10 19:21:07
//
// Powered by CP Editor (https://cpeditor.org)

#include <bits/stdc++.h>
#define ll long long
#define mod int(1e9 + 7)
using namespace std;

set<int> X, Y;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);
    int n;
    cin >> n;
    while (n--) {
        int tmp;
        cin >> tmp;
        X.insert(tmp);
    }
    cin >> n;
    while (n--) {
        int tmp;
        cin >> tmp;
        Y.insert(tmp);
    }

    if (X == Y) {
        cout << "=";
    } else if (includes(X.begin(), X.end(), Y.begin(), Y.end())) {
        cout << ">";
    } else {
        cout << "<";
    }
    return 0;
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok accepted
  - Test 1 - [Accepted](#) : ok accepted
  - Test 2 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 3 - [Accepted](#) : ok accepted
  - Test 4 - [Accepted](#) : ok accepted
  - Test 5 - [Accepted](#) : ok accepted
  - Test 6 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 7 - [Accepted](#) : ok accepted
  - Test 8 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 9 - [Accepted](#) : ok accepted
- Subtask 1 - [Unknown Error](#)
  - Test 10 - [Accepted](#) : ok accepted
  - Test 11 - [Accepted](#) : ok accepted
  - Test 12 - [Accepted](#) : ok accepted
  - Test 13 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 14 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 15 - [Accepted](#) : ok accepted
  - Test 16 - [Accepted](#) : ok accepted
  - Test 17 - [Accepted](#) : ok accepted
  - Test 18 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..
  - Test 19 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected ..

Submission 128620041

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:13:32	Comparing Sets	C	<a href="#">Unaccepted</a>

Code

```

#include <stdio.h>

int main() {
    int n, m;
    scanf("%d", &n);
    int x[n];
    for (int i = 0; i < n; i++) {
        scanf("%d", &x[i]);
    }
    scanf("%d", &m);
    int y[m];
    for (int i = 0; i < m; i++) {
        scanf("%d", &y[i]);
    }

    if (n > m) {
        int isSubset = 1;
        for (int i = 0; i < m; i++) {
            int found = 0;
            for (int j = 0; j < n; j++) {
                if (y[i] == x[j]) {
                    found = 1;
                    break;
                }
            }
            if (!found) {
                isSubset = 0;
                break;
            }
        }
        if (isSubset) {
            printf("<\n");
            return 0;
        }
    }
    else if (m > n) {
        int isSubset = 1;
        for (int i = 0; i < n; i++) {
            int found = 0;
            for (int j = 0; j < m; j++) {
                if (x[i] == y[j]) {
                    found = 1;
                    break;
                }
            }
            if (!found) {
                isSubset = 0;
                break;
            }
        }
        if (isSubset) {
            printf(">\n");
            return 0;
        }
    }
    else {
        int isEqual = 1;
        for (int i = 0; i < n; i++) {
            if (x[i] != y[i]) {
                isEqual = 0;
                break;
            }
        }
        if (isEqual) {
            printf("=\n");
            return 0;
        }
    }

    printf(".\n");

    return 0;
}

```

## Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok accepted
  - Test 1 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected >.
  - Test 2 - [Accepted](#) : ok accepted
  - Test 3 - [Wrong Answer](#) : wrong answer On line 1 column 1, read >, expected <.
  - Test 4 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected >.
  - Test 5 - [Accepted](#) : ok accepted
  - Test 6 - [Accepted](#) : ok accepted
  - Test 7 - [Accepted](#) : ok accepted
  - Test 8 - [Accepted](#) : ok accepted
  - Test 9 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected >.
- Subtask 1 - [Unknown Error](#)
  - Test 10 - [Wrong Answer](#) : wrong answer On line 1 column 1, read <, expected >.
  - Test 11 - [Wrong Answer](#) : wrong answer On line 1 column 1, read >, expected <.

- Test 12 - **Accepted** : ok accepted
- Test 13 - **Accepted** : ok accepted
- Test 14 - **Accepted** : ok accepted
- Test 15 - **Wrong Answer** : wrong answer On line 1 column 1, read <, expected >.
- Test 16 - **Wrong Answer** : wrong answer On line 1 column 1, read >, expected <.
- Test 17 - **Accepted** : ok accepted
- Test 18 - **Accepted** : ok accepted
- Test 19 - **Accepted** : ok accepted

## Submission 128619114

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 20:11:12	Comparing Sets	Python 3	Unaccepted

### Code

```
def compare_sets(X, Y):
    if X == Y:
        return "="
    elif X.issubset(Y):
        return "<"
    elif Y.issubset(X):
        return ">"
    else:
        return ">"

def read_set():
    input_str = input()
    elements = input_str.split()
    return set(map(int, elements))

X = {}
Y = {}
x = input()
X= read_set()
x= input()
Y= read_set()
result = compare_sets(X, Y)
print(result)
```

### Test Detail

- Subtask 0 - **Unknown Error**
  - Test 0 - **Runtime Error** :
  - Test 1 - **Runtime Error** :
  - Test 2 - **Runtime Error** :
  - Test 3 - **Runtime Error** :
  - Test 4 - **Runtime Error** :
  - Test 5 - **Runtime Error** :
  - Test 6 - **Runtime Error** :
  - Test 7 - **Runtime Error** :
  - Test 8 - **Runtime Error** :
  - Test 9 - **Runtime Error** :
- Subtask 1 - **Unknown Error**
  - Test 10 - **Runtime Error** :
  - Test 11 - **Runtime Error** :
  - Test 12 - **Runtime Error** :
  - Test 13 - **Runtime Error** :
  - Test 14 - **Runtime Error** :
  - Test 15 - **Runtime Error** :
  - Test 16 - **Runtime Error** :
  - Test 17 - **Runtime Error** :
  - Test 18 - **Runtime Error** :
  - Test 19 - **Runtime Error** :

## Submission 128617199

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 20:05:48	Comparing Sets	Python 3	Unaccepted

### Code

```
def compare_sets(X, Y):
    if X == Y:
        return "="
    elif X.issubset(Y):
        return "<"
    elif Y.issubset(X):
        return ">"
    else:
        return "<="

X = {}
Y = {}
x = input()
for i in x:
    X.add(i)
x = input()
for i in x:
    Y.add(i)
result = compare_sets(X, Y)
print(result)
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Runtime Error](#) :
  - Test 1 - [Runtime Error](#) :
  - Test 2 - [Runtime Error](#) :
  - Test 3 - [Runtime Error](#) :
  - Test 4 - [Runtime Error](#) :
  - Test 5 - [Runtime Error](#) :
  - Test 6 - [Runtime Error](#) :
  - Test 7 - [Runtime Error](#) :
  - Test 8 - [Runtime Error](#) :
  - Test 9 - [Runtime Error](#) :
- Subtask 1 - [Unknown Error](#)
  - Test 10 - [Runtime Error](#) :
  - Test 11 - [Runtime Error](#) :
  - Test 12 - [Runtime Error](#) :
  - Test 13 - [Runtime Error](#) :
  - Test 14 - [Runtime Error](#) :
  - Test 15 - [Runtime Error](#) :
  - Test 16 - [Runtime Error](#) :
  - Test 17 - [Runtime Error](#) :
  - Test 18 - [Runtime Error](#) :
  - Test 19 - [Runtime Error](#) :

C. Egyptian Fraction

Submission 128635876

User	Time	Problem	Language	Verdict
Cha_rles	2023/10/10 20:57:14	Egyptian Fraction	C++14(GCC 9)	<a href="#">Unaccepted</a>

Code

```

// Problem: U361810 Egyptian Fraction
// Contest: Luogu
// URL: https://www.luogu.com.cn/problem/U361810?contestId=137850
// Memory Limit: 128 MB
// Time Limit: 2000 ms
// Date: 2023-10-10 20:23:17
//
// Powered by CP Editor (https://cpeditor.org)

#include <bits/stdc++.h>
#define ll long long
#define mod int(1e9 + 7)
using namespace std;

int n;
int a[50];
vector<int> b;

int gcd(int a, int b) {
    if (b == 0) {
        return a;
    } else {
        return gcd(b, a % b);
    }
}

int func(int num, int den) {
    int tmp = 0;
    while (den != 0) {
        tmp = num % den;
        num = den;
        den = tmp;
    }
    return num;
}

void solve(int num, int den) {
    int tmp = 0;
    int maxComdiv = 0;
    while (num > 1) {
        tmp = den / num + 1;
        b.push_back(tmp);
        num = num * tmp - den;
        den = den * tmp;
        maxComdiv = func(num, den);
        if (maxComdiv > 1) {
            num /= maxComdiv;
            den /= maxComdiv;
        }
    }
    b.push_back(den);
}

int main() {
    ios::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);
    cin >> n;
    for (int i = 0; i < n; ++i) {
        cin >> a[i];
    }
    int num = 0;
    int den = 1;
    for (int i = 0; i < n; ++i) {
        den *= a[i];
    }
    for (int i = 0; i < n; ++i) {
        num += (den / a[i]);
    }
    // int tmp = gcd(num, den);
    // num /= tmp;
    // den /= tmp;
    solve(num, den);
    cout << b.size() << endl;
    for (int i = 0; i < b.size(); ++i) {
        cout << b[i] << ' ';
    }

    return 0;
}

```

## Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer The output is identical to the input, which is not allowed.
  - Test 1 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to -49995, violates the range [2, 10<sup>9</sup>]
  - Test 2 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to 0, violates the range [2, 10<sup>9</sup>]
  - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to -1104586368, violates the range [2, 10<sup>9</sup>]
  - Test 4 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to -478056448, violates the range [2, 10<sup>9</sup>]
- Subtask 1 - [Unknown Error](#)
  - Test 5 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to 0, violates the range [2, 10<sup>9</sup>]
  - Test 6 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to 0, violates the range [2, 10<sup>9</sup>]



- Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to 0, violates the range [2, 10^9]
- Test 8 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to 0, violates the range [2, 10^9]
- Test 9 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence element] equals to -1073741824, violates the range [2, 10^9]

Submission 128626237

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:31:05	Egyptian Fraction	C	<a href="#">Unaccepted</a>

Code

```
#include <stdio.h>

void convertToEgyptianFraction(int p, int q, int n[], int* size) {
    int idx = 0;
    while (p > 0) {
        int n_i = q / p + 1;
        n[idx++] = n_i;
        p = p * n_i - q;
        q = q * n_i;
    }
    *size = idx;
}

void constructIntegerList(int n[], int size, int m[]) {
    for (int i = 0; i < size; i++) {
        m[i] = n[i] + 1;
    }
}

int main() {
    int k;
    scanf("%d", &k);

    int n[k];
    for (int i = 0; i < k; i++) {
        scanf("%d", &n[i]);
    }

    int p = 1;
    int q = 1;
    for (int i = 0; i < k; i++) {
        q *= n[i];
    }
    p = q - 1;
    int egyptianFractionSize;
    int egyptianFraction[k];
    convertToEgyptianFraction(p, q, egyptianFraction, &egyptianFractionSize);

    int integerList[k];
    constructIntegerList(egyptianFraction, egyptianFractionSize, integerList);

    printf("%d\n", egyptianFractionSize);
    for (int i = 0; i < egyptianFractionSize; i++) {
        printf("%d ", integerList[i]);
    }
    printf("\n");

    return 0;
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Runtime Error](#) :
  - Test 1 - [Runtime Error](#) :
  - Test 2 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 4 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
- Subtask 1 - [Unknown Error](#)
  - Test 5 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 6 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 8 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 9 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]

Submission 128625224

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:28:16	Egyptian Fraction	C++14(GCC 9)	<a href="#">Unaccepted</a>

Code

```
#include <iostream>
#include <vector>

void convertToEgyptianFraction(int p, int q, std::vector<int>& n) {
    while (p > 0) {
        int n_i = q / p + 1;
        n.push_back(n_i);
        p = p * n_i - q;
        q = q * n_i;
    }
}

std::vector<int> constructIntegerList(const std::vector<int>& n) {
    std::vector<int> m;
    for (int i = 0; i < n.size(); i++) {
        m.push_back(n[i] + 1);
    }
    return m;
}

int main() {
    int k;
    std::cin >> k;

    std::vector<int> n(k);
    for (int i = 0; i < k; i++) {
        std::cin >> n[i];
    }

    int p = 1;
    int q = 1;
    for (int i = 0; i < k; i++) {
        q *= n[i];
    }
    p = q - 1;
    std::vector<int> egyptianFraction;
    convertToEgyptianFraction(p, q, egyptianFraction);

    std::vector<int> integerList = constructIntegerList(egyptianFraction);

    std::cout << egyptianFraction.size() << std::endl;
    for (int i = 0; i < egyptianFraction.size(); i++) {
        std::cout << integerList[i] << " ";
    }
    std::cout << std::endl;

    return 0;
}
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Memory Limit Exceeded](#) :
  - Test 1 - [Memory Limit Exceeded](#) :
  - Test 2 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 3 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 4 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
- Subtask 1 - [Unknown Error](#)
  - Test 5 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 6 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 7 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 8 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]
  - Test 9 - [Wrong Answer](#) : wrong answer Integer parameter [name=the output sequence length] equals to 0, violates the range [1, 100]

D. Polynomial Family

Submission 128636961

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:59:55	Polynomial Family	Python 3	<a href="#">Unaccepted</a>

Code

```

import numpy as np
import math
l = []
r = []
l1 = []
l11 = []
l1 = []
l11 = []
l111 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(float(aa[0]))
    r.append(float(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    l1.append(float(bb[0]))
    r1.append(float(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        l1.append(l[x] ** b)
for x in range(a + 1):
    l11.append(l1[0+x*(a+1):(a+1)+x*(a+1)])
# print(l11)
mat_l11 = np.mat(l11)
rt = r.T
C = np.linalg.solve(mat_l11, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        l11.append(l1[x] ** b)
for x in range(a + 1):
    l111.append(l11[0+x*(a+1):(a+1)+x*(a+1)])
# print(l111)
mat_l111 = np.mat(l111)
rt1 = r1.T
C1 = np.linalg.solve(mat_l111, rt1)

# print(C)
# print(C1)
c = 0
D = float(C[0] - C1[0])
for i in range(1, a + 1):
    # print(float(C[i]-C1[i]))
    if float(C[i]-C1[i]) > 0.00001 and float(C[i]-C1[i]) < -0.00001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f" % D)

```

### Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok Correct
  - Test 1 - [Accepted](#) : ok Correct
  - Test 2 - [Accepted](#) : ok Correct
  - Test 3 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 4 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
- Subtask 1 - [Unknown Error](#)
  - Test 5 - [Accepted](#) : ok Correct
  - Test 6 - [Accepted](#) : ok Correct
  - Test 7 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 8 - [Accepted](#) : ok Correct
  - Test 9 - [Accepted](#) : ok Correct

### Submission 128636847

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:59:36	Polynomial Family	Python 3	Compile Error

### Code

```
import numpy as np
import math
l = []
r = []
ll = []
lll = []
l1 = []
ll1 = []
lll1 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(float(aa[0]))
    r.append(float(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    ll.append(float(bb[0]))
    r1.append(float(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        ll.append(ll[x] ** b)
for x in range(a + 1):
    lll.append(ll[0+x*(a+1):(a+1)+x*(a+1)])
# print(lll)
mat_lll = np.mat(lll)
rt = r.T
C = np.linalg.solve(mat_lll, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        ll1.append(ll1[x] ** b)
for x in range(a + 1):
    lll1.append(lll[0+x*(a+1):(a+1)+x*(a+1)])
# print(lll1)
mat_lll1 = np.mat(lll1)
rt1 = r1.T
C1 = np.linalg.solve(mat_lll1, rt1)

# print(C)
# print(C1)
c = 0
D = float(C[0] - C1[0])
for i in range(1, a + 1):
    # print(float(C[i]-C1[i]))
    if float(C[i]-C1[i]) > 0.00001 && float(C[i]-C1[i]) < -0.00001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f" % D)
```

Test Detail

- Compile Error

```
File "/tmp/compiler_8m2vfpsy/src", line 54
    if float(C[i]-C1[i]) > 0.00001 && float(C[i]-C1[i]) < -0.00001:
                                ^
SyntaxError: invalid syntax
```

Submission 128635486

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:56:19	Polynomial Family	Python 3	Unaccepted

Code

```
import numpy as np
import math
l = []
r = []
l1 = []
l11 = []
l1 = []
l11 = []
l111 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(float(aa[0]))
    r.append(float(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    l1.append(float(bb[0]))
    r1.append(float(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        l1.append(l[x] ** b)
for x in range(a + 1):
    l11.append(l1[0+x*(a+1):(a+1)+x*(a+1)])
# print(l11)
mat_l11 = np.mat(l11)
rt = r.T
C = np.linalg.solve(mat_l11, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        l11.append(l1[x] ** b)
for x in range(a + 1):
    l111.append(l11[0+x*(a+1):(a+1)+x*(a+1)])
# print(l111)
mat_l111 = np.mat(l111)
rt1 = r1.T
C1 = np.linalg.solve(mat_l111, rt1)

# print(C)
# print(C1)
c = 0
D = float(C[0] - C1[0])
for i in range(1, a + 1):
    # print(C[i]-C1[i])
    if float(C[i]-C1[i]) > 0.00001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f" % D)
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok Correct
  - Test 1 - [Accepted](#) : ok Correct
  - Test 2 - [Accepted](#) : ok Correct
  - Test 3 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 4 - [Accepted](#) : ok Correct
- Subtask 1 - [Accepted](#)
  - Test 5 - [Accepted](#) : ok Correct
  - Test 6 - [Accepted](#) : ok Correct
  - Test 7 - [Accepted](#) : ok Correct
  - Test 8 - [Accepted](#) : ok Correct
  - Test 9 - [Accepted](#) : ok Correct

Submission 128632984

User	Time	Problem	Language	Verdict
MYMYMYM	2023/10/10 20:50:09	Polynomial Family	C	<a href="#">Unaccepted</a>

Code

```

#include <stdio.h>
#include <stdlib.h>
#include <math.h>
int solve(double** A, double* x, int n) {
    int m = n + 1;

    for (int i = 0; i < n; i++) {
        int pivot = i;
        for (int j = i + 1; j < n; j++) {
            if (fabs(A[j][i]) > fabs(A[pivot][i])) {
                pivot = j;
            }
        }

        if (pivot != i) {
            double* temp = A[i];
            A[i] = A[pivot];
            A[pivot] = temp;
        }
        for (int j = i + 1; j < n; j++) {
            double ratio = A[j][i] / A[i][i];
            for (int k = i; k <= m; k++) {
                A[j][k] -= ratio * A[i][k];
            }
        }
    }
    for (int i = n - 1; i >= 0; i--) {
        if (fabs(A[i][i]) < 1e-9 && fabs(A[i][m]) > 1e-9) {
            return 0;
        }

        if (fabs(A[i][i]) < 1e-9 && fabs(A[i][m]) < 1e-9) {
            continue;
        }

        x[i] = A[i][m] / A[i][i];
        for (int j = i - 1; j >= 0; j--) {
            A[j][m] -= A[j][i] * x[i];
            A[j][i] = 0;
        }
    }

    return 1;
}

int main() {
    int n;
    scanf("%d", &n);

    double* f = (double*)malloc((n + 1) * sizeof(double));
    double* g = (double*)malloc((n + 1) * sizeof(double));
    for (int i = 0; i <= n; i++) {
        scanf("%lf", &f[i]);
    }
    for (int i = 0; i <= n; i++) {
        scanf("%lf", &g[i]);
    }

    double** A = (double**)malloc((n + 1) * sizeof(double*));
    double* x = (double*)malloc((n + 2) * sizeof(double));
    for (int i = 0; i <= n; i++) {
        A[i] = (double*)malloc((n + 2) * sizeof(double));
        for (int j = 0; j <= n; j++) {
            A[i][j] = pow(i, j);
        }
        A[i][n + 1] = f[i] - g[i];
    }

    if (solve(A, x, n)) {
        printf("YES\n");
        printf("%lf\n", x[n + 1]);
    }
    else {
        printf("NO\n");
    }
    for (int i = 0; i <= n; i++) {
        free(A[i]);
    }
    free(A);
    free(f);
    free(g);
    free(x);

    return 0;
}

```

## Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 1 - [Wrong Answer](#) : wrong answer Participant answered differently from jury

- Test 2 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
- Test 3 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
- Test 4 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
- Subtask 1 - [Unknown Error](#)
  - Test 5 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 6 - [Accepted](#) : ok Correct
  - Test 7 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 8 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 9 - [Wrong Answer](#) : wrong answer Participant answered differently from jury

Submission 128632443

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:48:47	Polynomial Family	Python 3	<a href="#">Unaccepted</a>

Code

```
import numpy as np
import math
l = []
r = []
l1 = []
l11 = []
l1 = []
l11 = []
l111 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(int(aa[0]))
    r.append(int(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    l1.append(int(bb[0]))
    r1.append(int(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        l1.append(l[x] ** b)
for x in range(a + 1):
    l11.append(l1[0+x*(a+1):(a+1)+x*(a+1)])
# print(l11)
mat_l11 = np.mat(l11)
rt = r.T
C = np.linalg.solve(mat_l11, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        l11.append(l1[x] ** b)
for x in range(a + 1):
    l111.append(l11[0+x*(a+1):(a+1)+x*(a+1)])
# print(l111)
mat_l111 = np.mat(l111)
rt1 = r1.T
C1 = np.linalg.solve(mat_l111, rt1)

# print(C)
# print(C1)
c = 0
D = C[0] - C1[0]
for i in range(1, a + 1):
    # print(C[i]-C1[i])
    if float(C[i]-C1[i]) > 0.000001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f" % D)
```

Test Detail

- Subtask 0 - [Unknown Error](#)
  - Test 0 - [Accepted](#) : ok Correct
  - Test 1 - [Accepted](#) : ok Correct
  - Test 2 - [Accepted](#) : ok Correct
  - Test 3 - [Wrong Answer](#) : wrong answer Participant answered differently from jury
  - Test 4 - [Accepted](#) : ok Correct

- Subtask 1 - Accepted
  - Test 5 - Accepted : ok Correct
  - Test 6 - Accepted : ok Correct
  - Test 7 - Accepted : ok Correct
  - Test 8 - Accepted : ok Correct
  - Test 9 - Accepted : ok Correct

Submission 128632215

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:48:11	Polynomial Family	Python 3	Unaccepted

Code

```
import numpy as np
import math
l = []
r = []
l1 = []
l11 = []
l1 = []
l11 = []
l111 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(int(aa[0]))
    r.append(int(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    l1.append(int(bb[0]))
    r1.append(int(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        l1.append(l[x] ** b)
for x in range(a + 1):
    l11.append(l1[0+x*(a+1):(a+1)+x*(a+1)])
# print(l11)
mat_l11 = np.mat(l11)
rt = r.T
C = np.linalg.solve(mat_l11, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        l11.append(l1[x] ** b)
for x in range(a + 1):
    l111.append(l11[0+x*(a+1):(a+1)+x*(a+1)])
# print(l111)
mat_l111 = np.mat(l111)
rt1 = r1.T
C1 = np.linalg.solve(mat_l111, rt1)

# print(C)
# print(C1)
c = 0
D = C[0] - C1[0]
for i in range(1, a + 1):
    # print(C[i]-C1[i])
    if float(C[i]-C1[i]) > 0.00001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f" % D)
```

Test Detail

- Subtask 0 - Unknown Error
  - Test 0 - Accepted : ok Correct
  - Test 1 - Accepted : ok Correct
  - Test 2 - Accepted : ok Correct
  - Test 3 - Wrong Answer : wrong answer Participant answered differently from jury
  - Test 4 - Accepted : ok Correct
- Subtask 1 - Accepted
  - Test 5 - Accepted : ok Correct
  - Test 6 - Accepted : ok Correct



- Test 7 - **Accepted** : ok Correct
- Test 8 - **Accepted** : ok Correct
- Test 9 - **Accepted** : ok Correct

## Submission 128631699

User	Time	Problem	Language	Verdict
Gzz040825	2023/10/10 20:46:43	Polynomial Family	Python 3	Unaccepted

### Code

```
import numpy as np
import math
l = []
r = []
l1 = []
l11 = []
l1 = []
l11 = []
l111 = []
r1 = []
a = int(input())
for b in range(a + 1):
    aa = str(input())
    aa = aa.split(' ')
    l.append(int(aa[0]))
    r.append(int(aa[1]))
for c in range(a + 1):
    bb = str(input())
    bb = bb.split(' ')
    l1.append(int(bb[0]))
    r1.append(int(bb[1]))

mat_l = np.mat(l)
r = np.mat(r)
for x in range(a + 1):
    for b in range(a + 1):
        l1.append(l[x] ** b)
for x in range(a + 1):
    l11.append(l1[0+x*(a+1):(a+1)+x*(a+1)])
# print(l11)
mat_l11 = np.mat(l11)
rt = r.T
C = np.linalg.solve(mat_l11, rt)

# print("-----")
mat_l1 = np.mat(l1)
r1 = np.mat(r1)
for x in range(a + 1):
    for b in range(a + 1):
        l11.append(l1[x] ** b)
for x in range(a + 1):
    l111.append(l11[0+x*(a+1):(a+1)+x*(a+1)])
# print(l111)
mat_l111 = np.mat(l111)
rt1 = r1.T
C1 = np.linalg.solve(mat_l111, rt1)

# print(C)
# print(C1)
c = 0
D = C[0] - C1[0]
for i in range(1, a + 1):
    # print(C[i]-C1[i])
    if float(C[i]-C1[i]) > 0.00001:
        c = 1
        print("NO")
        break
if c == 0:
    print("YES")
    print("%.9f"%D)
```

### Test Detail

- Subtask 0 - **Unknown Error**
  - Test 0 - **Accepted** : ok Correct
  - Test 1 - **Accepted** : ok Correct
  - Test 2 - **Accepted** : ok Correct
  - Test 3 - **Wrong Answer** : wrong answer Participant answered differently from jury
  - Test 4 - **Accepted** : ok Correct
- Subtask 1 - **Accepted**
  - Test 5 - **Accepted** : ok Correct
  - Test 6 - **Accepted** : ok Correct
  - Test 7 - **Accepted** : ok Correct
  - Test 8 - **Accepted** : ok Correct
  - Test 9 - **Accepted** : ok Correct