CSES Problem Set

Two Sets

Submission details

Task:	Two Sets
Sender:	josueMamani
Submission time:	2026-01-05 04:12:18 +0200
Language:	C++ (C++17)
Status:	READY
Result:	ACCEPTED

Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.01 s	»
#5	ACCEPTED	0.01 s	»
#6	ACCEPTED	0.01 s	»
#7	ACCEPTED	0.01 s	»
#8	ACCEPTED	0.01 s	»
#9	ACCEPTED	0.01 s	»
#10	ACCEPTED	0.01 s	»
#11	ACCEPTED	0.01 s	»
#12	ACCEPTED	0.01 s	»
#13	ACCEPTED	0.01 s	»
#14	ACCEPTED	0.04 s	»
#15	ACCEPTED	0.01 s	»
#16	ACCEPTED	0.01 s	»
#17	ACCEPTED	0.01 s	»
#18	ACCEPTED	0.08 s	»
#19	ACCEPTED	0.01 s	»
#20	ACCEPTED	0.01 s	»
#21	ACCEPTED	0.13 s	»
#22	ACCEPTED	0.01 s	»
#23	ACCEPTED	0.01 s	»

Code

Introductory Problems

...

Permutations ✓
Number Spiral -
Two Knights -
Two Sets ✓
Bit Strings ✓
Trailing Zeros ✓
Coin Piles -
Palindrome Reorder -

...

Your submissions

2026-01-05 04:12:18 ✓
2026-01-05 04:10:29 ×

```cpp
#include<iostream>
using namespace std;
int main()
{
    long long n;
    cin>>n;
    long long total=(n*(n+1))/2;
    int pos=1;
    int aux=1;
    int a=0;
    int arr[1000000];
    if(total%2==0){
        cout<<"YES"<<endl;
        if(n%2==0){
            cout<<n/2<<endl;
            cout<<"1 ";
            for(int i=2;i<=n;i++){
                if(pos%2!=0){
                    arr[a]=i;
                    a++;
                    aux++;
                    if(aux==3){
                        aux=1;
                        pos++;
                    }
                }else{
                    cout<<i<<" ";
                    aux++;
                    if(aux==3){
                        aux=1;
                        pos++;
                    }
                }
            }
            cout<<endl;
            cout<<n/2<<endl;
            for(int i=0; i<a; i++){
                cout<<arr[i]<<" ";
            }
        }else{
            int conjuntos=n/2;
            cout<<conjuntos+1<<endl;
            for(int i=1;i<=n;i++){
               if(pos%2==0){
                    arr[a]=i;
                    a++;
                    aux++;
                    if(aux==3){
                        aux=1;
                        pos++;
                    }
                }else{
                    cout<<i<<" ";
                    aux++;
                    if(aux==3){
                        aux=1;
                        pos++;
                    }
                }
        }
        cout<<endl;
```

```
62          cout<<conjuntos<<endl;
63              for(int i=0; i<a; i++){
64                  cout<<arr[i]<<" ";
65              }
66          }
67      }else{
68          cout<<"NO"<<endl;
69      }
70
71      return 0;
72  }
73
```

SHARE CODE TO OTHERS

Test details

Test 1

Verdict: ACCEPTED

input
1

correct output
NO

user output
NO

Test 2

Verdict: ACCEPTED

input
2

correct output
NO

user output
NO

Test 3

Verdict: ACCEPTED

input

```
3
```

correct output

```
YES
1
3
2
2 1
```

user output

```
YES
2
1 2
1
3
```

Test 4

Verdict: ACCEPTED

input

```
4
```

correct output

```
YES
2
4 1
2
3 2
```

user output

```
YES
2
1 4
2
2 3
```

Test 5

Verdict: ACCEPTED

input

```
5
```

correct output

```
NO
```

user output
NO

Test 6

Verdict: ACCEPTED

input
6

correct output
NO

user output
NO

Test 7

Verdict: ACCEPTED

input
7

correct output
YES 3 7 4 3 4 6 5 2 1

user output
YES 4 1 2 5 6 3 3 4 7

Test 8

Verdict: ACCEPTED

input
8

correct output

```
YES
4
8 5 4 1
4
7 6 3 2
```

user output

```
YES
4
1 4 5 8
4
2 3 6 7
```

Test 9

Verdict: ACCEPTED

input

```
9
```

correct output

```
NO
```

user output

```
NO
```

Test 10

Verdict: ACCEPTED

input

```
10
```

correct output

```
NO
```

user output

```
NO
```

Test 11

Verdict: ACCEPTED

input

```
26560
```

correct output

```
YES
13280
26560 26557 26556 26553 26552 ...
```

user output

```
YES
13280
1 4 5 8 9 12 13 16 17 20 21 24...
```

Truncated

Test 12

Verdict: ACCEPTED

input

```
155974
```

correct output

```
NO
```

user output

```
NO
```

Test 13

Verdict: ACCEPTED

input

```
259390
```

correct output

```
NO
```

user output

```
NO
```

Test 14

Verdict: ACCEPTED

input

```
260443
```

correct output
YES 130221 260443 260440 260439 260436 26...

user output	
YES 130222 1 2 5 6 9 10 13 14 17 18 21 22...	Truncated

Test 15

Verdict: ACCEPTED

input
275717

correct output
NO

user output
NO

Test 16

Verdict: ACCEPTED

input
372981

correct output
NO

user output
NO

Test 17

Verdict: ACCEPTED

input
619853

correct output
NO

user output
NO

Test 18

Verdict: ACCEPTED

input
653620

correct output
YES 326810 653620 653617 653616 653613 65...

user output
YES 326810 1 4 5 8 9 12 13 16 17 20 21 24... Truncated

Test 19

Verdict: ACCEPTED

input
767470

correct output
NO

user output
NO

Test 20

Verdict: ACCEPTED

input
912565

correct output

```
NO
```

user output

```
NO
```

Test 21

Verdict: ACCEPTED

input

```
1000000
```

correct output

```
YES
500000
1000000 999997 999996 999993 9...
```

user output

```
YES
500000
1 4 5 8 9 12 13 16 17 20 21 24...
```

Truncated

Test 22

Verdict: ACCEPTED

input

```
12
```

correct output

```
YES
6
12 9 8 5 4 1
6
11 10 7 6 3 2
```

user output

```
YES
6
1 4 5 8 9 12
6
2 3 6 7 10 11
```

Test 23

Verdict: ACCEPTED

input

```
15
```

correct output

```
YES
7
15 12 11 8 7 4 3
8
14 13 10 9 6 5 2 1
```

user output

```
YES
8
1 2 5 6 9 10 13 14
7
3 4 7 8 11 12 15
```