

# Arrays 1D - Same or Not

Problem

Submissions

Leaderboard

Discussions

The Modern World Cinderella was happy to meet Prince Charming at the ballroom and she danced with him happily. While she was dancing, Prince wanted to check whether Cinderella is a perfect match for him. He asked her a question to check her knowledge of Arrays. Can you help Cinderella to write a program to find whether the two arrays are the same or not?

Note: Two arrays are said to be the same if the sum of both arrays is the same and the size of the arrays is the same.

## Input Format

Input consists of 2 integers and 2 arrays. The integers should correspond to the size of the arrays.

## Constraints

NA

## Output Format

If two arrays are the same, display "Same" else display "Not Same"

## Sample Input 0

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

## Sample Output 0

```
Same
```

## Explanation 0

Here, the sum and size of both arrays are the same. Hence it prints "Same".

## Sample Input 1

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

3  
6

## Sample Output 1

Not Same

## Explanation 1

Here, the sum and size of both arrays are not the same. Hence it prints "Not Same".

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Submissions: [737](#)

Max Score: 100

Difficulty: Medium

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C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     int x,y;
10    scanf("%d%d",&x,&y);
11    if(x==y){
12        int sum1=0,sum2=0,a[x],b[y];
13        for(int i=0;i<x;i++){
14            scanf("%d",&a[i]);
15            sum1+=a[i];
16        }
17        for(int i=0;i<y;i++){
18            scanf("%d",&b[i]);
19            sum2+=b[i];
20        }
21        if(sum1==sum2){
22            printf("Same");
23        }
24        else{
25            printf("Not Same");
26        }
27    }
28    else{
29        printf("Not Same");
30    }
31    return 0;
32 }
33
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

Testcase 0 

Testcase 1 

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

**Input (stdin)**

```
4
4
1
2
3
4
1
2
3
4{-truncated-}
```

**Your Output (stdout)**

```
Same
```

**Expected Output**

```
Same
```