

	Input	Expected	Got	
4	2	14	1.4	V
	A	1.2	1.2	
	5			
	14522			
	4			
	4			
	2243			

Passed all tests!

Numeros the Artist had two lists that were permutations of one another. He was very proud. Unfortunately, while transporting them from one exhibition to another, some numbers were lost out of the first list. Can you find the missing numbers?

As an example, the array with some numbers missing, arr = [7, 2, 5, 3, 5, 3]. The original array of numbers ber = [7,

If a number occurs multiple times in the lists, you must ensure that the frequency of that number in both lists is

#### Notes

the same. If that is not the case, then it is also a missing number.

You have to print all the missing numbers in ascending order.

2, 5, 4, 6, 3, 5, 3]. The numbers missing are [4, 6].

- Print each missing number once, even if it is missing multiple times.

The difference between maximum and minimum number in the second list is less than or equal to 100.

Complete the code in the editor below. It should return an array of missing numbers.

- an: the array with missing numbers
  - brr: the original array of numbers

There will be four lines of input:

It has the following:

Input Format

There will be four lines of input: n - the size of the first list, arr

m - the size of the second list, ber

The next line contains **n** space separated integers **arr[ij** 

The next line contains **m** space-separated integers **brrf**()

# Constraints

- 1 ≤ n, m ≤ 2 × 10<sup>3</sup>
- $1 \le brr[i] \le 2 \times 10^4$
- X<sub>max</sub> X<sub>min</sub> < 101

# Output Format

### Explanation 0

For the first test case, no such index exists.

For the second test case, arr[0] + arr[1] = arr[3], therefore index 2 satisfies the given conditions.

# Sample Input 1

```
3
11411
4
2000
```

# Sample Output 1

YES YES YES

0020

# Explanation 1

In the first test case, arr[2] = 4 is between two subarrays summing to 2.

In the second case, arr[0] = 2 is between two subarrays summing to 0

In the third case, arr[2] = 2 is between two subarrays summing to 0.

# Answer: (penalty regime: 0 %)

```
1 kincludetstdie.ho
      int main() {
             int t,n,(c,ra,m;
scurf("%d",&L);
for(int 1-0;1<t;1++) {
 5 .
 h
                 15-0;
                  scani("AI",Rn);
 n
                 int arc[n];
for(Int j-0;jen;j++)
scanf("%1",%acr[1]);
10
11
17
            m-n/2;
            if(arr[m]-0) {
    tor(m-0;arr|m[-0000men;m-+);
14
            for(int j-0;jc-m;j++)
Is-Is-arr[1];
for(int j-m;j+n;j++)
17
111
           rs-rs-mrr[j];
printf("%s\n",(Is-rs)?"YE5":"NO");
19
20
21
22
            return 0;
```

```
Input
        Expected
                  Got
         YES
                  YES
         YES
                  YES
11411 YES
                  YES
2000
0028
        110
                  RO.
         YES
                  VF5
121
1233
```

Passed all tests! ~

Finish review

Correct
Marked out of 5.00

5.00 5" Flag question Sunny and Johnny like to pool their money and go to the ice cream parlor. Johnny never buys the same flavor that Sunny does. The only other rule they have is that they spend all of their money.

Given a list of prices for the flavors of ice cream, select the two that will cost all of the money they have.

For example, they have m = 6 to spend and there are flavors costing  $\cos t = \{7, 2, 3, 4, 5, 6\}$ . The two flavors costing 7 and 5 meet the criteria. Using 7-based indexing, they are at indices 7 and 4.

#### **Function Description**

Complete the code in the editor below. It should return an array containing the indices of the prices of the two flavors they buy.

It has the following:

- m: an integer denoting the amount of money they have to spend
- cost an integer array denoting the cost of each flavor of ice cream

#### Input Format

The first line contains an integer, £ denoting the number of trips to the ice cream parlor. The next £ sets of lines each describe a visit. Each trip is described as follows:

- 1. The integer m, the amount of money they have pooled.
- 2. The integer n, the number of flavors offered at the time.
- a space-separated integers denoting the cost of each flavor: cost[cost[1], cost[2], ..., cost[n]].

Note: The index within the cost array represents the flavor of the ice cream purchased.

#### Constraints

- 7 st s 50
- 2 s m s 104
- 2 s n s 104
- 1 s cost[i] s 104, " i i [1, n]
- There will always be a unique solution.

### **Output Format**

For each test case, print two space-separated integers denoting the indices of the two flavors purchased, in ascending order.

#### Sample Input

- 5
- 4
- 5
- 14532
- 4
- 4
- 2243

### Sample Output

- 14
- 1.2

### Explanation

Sunny and Johnny make the following two trips to the parlor:

- 1. The first time, they pool together m = 4 dollars. Of the five flavors available that day, flavors 1 and 4 have a total cost of 1 + 3 = 4.
- The second time, they pool together m = 4 dollars. TOf the four flavors available that day, flavors 1 and 2 have a total cost of 2 + 2 = 4.

### **Output Format**

Output the missing numbers in ascending order.

# Sample Input

203 204 205 206 207 208 203 204 205 206

203 204 204 205 206 207 205 208 203 206 205 206 204

# Sample Output

204 205 206

## Explanation

204 is present in both arrays. Its frequency in arr is 2, while its frequency in brr is 3. Similarly, 205 and 206 occur twice in arr, but three times in arr. The rest of the numbers have the same frequencies in both lists.

### Answer: (penalty regime: 0 %) 1 kinclude(stdle.to

```
int main() {
           int m,m,c,c1-0,co;
scanf("Nel",Nn);
 5
           int arring;
           for(int a-0;acn;a-+) {
    scwrf("%d",Sarr[a]);
 2
 0
           }
scanf("%d",km);
int brr[m],wrm[m];
for(int b-0;bom;b++) {
    scanf("%d",%hrr[h]);
10
11 -
12
13
14 .
            for(int j-0;j-m;j++) {
15 -
                for(int 1-0;ion;i++) (
17 .
                       11(arr[1]-bre[]]) {
111
                            C-1:
19
                            arr[1]--1;
20
                    3
22
21.
                11(0-0) (
                     ans[ct]-hrr[j];
25
                      closs
25
                1
71
29
           for(int a-0;a(cl;a+-) (
               co-e;
for(int h-0;herl;hee) (
20
585
31
                      if(ams[b](ams[a])
32
                      CO++1
14
34
                ini temp_ans[a];
ans[a]-ans[co];
ans[co]-trep;
35
44,
37
           tor(int 1-0;1ccl;1++)
printf("%d ",ans[i]);
30
      return 6;
40
41
```

	Input	Expected	Got
~	18 203 204 205 286 207 208 203 284 205 208 13	204 205 206	204 265 266 V
	203 204 204 205 205 207 205 208 203 206 205 206 204		

Passed all tests! <

Watson gives Sherlock an array of integers. His challenge is to find an element of the array such that the sum of all elements to the left is equal to the sum of all elements to the right. For instance, given the array arr = [5, 6, 8, 11], 8 is between two subarrays that sum to 31. If your starting array is [1], that element satisfies the rule as left and right tum to 0.

You will be given arrays of integers and must determine whether there is an element that meets the criterior