Sunny and Johnny like to pool their money and go to the ice cream partin. Johnny over buys the same flavor that Sunny oces. The only other rule they have to that they spend all of

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 $m\equiv \delta$ to spend and there are flavors occurring oper \downarrow ft, 2, 3, 4, 5, 6). The two flavors costing T and 5 meet the coloria. Using 1-based indexing, they are at indices 1 and 4.

Complete the code is the editor below. It should return all 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, it, denoting the number of trips to the ice cream partor. The next fixets of lines each describe a visit. Each trip is described as follows:

- 2. The integer s, the number of flavors offered at the time
- 3. In space-reparated integers denoting the cost of each flavor coefficient II, coeff2(..., coeff)(

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

Constraints

- 2 = 0 = 104
- 1 = contfil = 104, " / / /1, ni
- There will always be a unique solution

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

- 14532
- 2241

Sample Output

- 14
- 12

Sunny and Johnny make the following two trips to the parior.

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

Answer: (penalty regime: 0 %)

```
int t,n,n,1,j,found;
scanf(*%d*,%t);
shile(t--)
i
     fur(j=1-1;)+n;j-+)
          if(cost[i]+cost[j]=m)
           )
if (found)
       hreak;
```

```
input Expected Got

v 2 1.4 1.4 v

1 1.4 3.3 2

4 3.3 2
```

Correct Correct Marked and of 5:36 Numerous the Artist had two lists that were permutations of one another. He was very proud. Unfortunately, while transporting them from one estitizion to another, some numbers were lost out of the first list. Can you find the resisting numbers?

As an example, the array with come numbers musting, arr = [7,2,5,3]. The conjust array of numbers for = [7,2,5,4]. 6, 3, 5, 3]. The numbers messing are [4,6].

Notes

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

Print each missing number once, even if it is missing

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 massing numbers.

It has the following:

- arr, the array with missing numbers
- bit the iniginal erray of numbers

Input Format

There will be four lines of input.

n-the size of the first list, we

The next line contains a space separated integers and

m - the size of the second list, ber

The rest line contains in space-separated integers briff

Constraints

```
1 s n. m = 2 × 10<sup>2</sup>
```

nem

1 = hrejl) = 2 x 10°

 $\chi_{\rm cus}-\chi_{\rm cut}<101$

Output Format

Output the missing numbers in ascending order

Sample Input

30

203 204 205 206 207 208 203 204 205 206

13

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 is air is 2, while its frequency is air is 2, while its frequency is air is 3. Sinstally, 205 and 204 occur twice in air. but these times is air. The rest of the numbers have the same frequencies in both lists.

Answer: (penalty regime: 0%)

```
int n,m,c,cm,c1=0;
scanf("5d",6n);
int arr[n];
for(int a=0;a+n;a++)
          scanf("sd", Sarr[a]).
          )
ncarf("hd",dm);
int hrr[m],anz[m];
fur(int b=0;b=n;b=+)
               scanf("Mar_Aber(b));
          }
for(int j=0;j=n;j++)
               for(int i=0;1=0;1=4)
                    iftarrial=Brrill)
                  c=1;
arr[i]=-i;
brank;
               )
|
|
|
|
              ans[c1]:her[j];
c1++;
           for(int ==0;a+c1;a++)
               to=0;
for(int b=0;b=c1;b++)
f
                    if(ans[b]=ans[a])
               int temp ans[a];
ans[a]=ans[co];
ans[co]=temp;
          for(int 1:0)1:c1,1--)
print("5d ",ane(1)):
```

```
Input

10
209 284 205 206 207 206 209 204 205 206
13
208 204 204 205 208 207 205 208 208 208 206 207
```

Cuestos 3 Cuesco Manhatrant of 5.25

Watson gives Directock 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 left is equal to the sum of all elements to the opt. For instance, given the array arr = [8, 6, 8, 71,6] as between two substrays that sum to 11. If jour starting array is [11], that element satisfies the rule as left and right sum to

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

Complete the code in the editor below. It should return a string, either YES if there is an element meeting the criter or NG otherwise.

It has the following:

The first line contains Γ , the number of test cases.

The next T pain of times each represent a test case.

- The first line contains a, the number of elements in the array arr

The second line where $\theta_{\mathcal{L}i+n}$

Constraints

Input Format

```
1 x T x 10
3 x n x 10<sup>0</sup>
1 \times arr[j] \approx 2 \times 10^4
Dalun
```

Output Format

For each test case print YES if there exists an element in the array, such that the each of the elements on its left is equal to the eum of the elements on its right, otherwise part 700

Sample Input 0

```
2
123
1233
```

Sample Output 0

YES

Explanation 0

For the first test case, no such index exists For the second test case, am[0] + am[1] = am[2], therefore index Z satisfies the given conditions.

```
3
11411
2000
0020
```

Sample Output 1

```
YES
YES
YES.
```

in the first test case, $\mathit{art[2]} = d$ is between two subarrays summing to 2

in the second case, $\inf 0 \| \cdot 2 \|$ is between two subarrays summing to θ

in the third case, $\operatorname{ant[2]} \circ 2$ is between two subarrays summing to 0

```
int T,n,i,left_mam,right_sum;
scanf("%e",%T);
while(T--)
{
                stanf("sd", im);
int arr[n];
for(i=0;i=n;i=+)
(
                    scanf("Ma", Barr[5]);
                fur(i=0;i=n;i++)
                 rght_sum = arr(1);
if(left_sum = right_sum)
{
   printf("YES\n");
   bress;
                     left_sum <= arr[i];
                 if(left_war := right_war)
                permit("Money;
```

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
5
11411
4
2000
4
0020
```

Sample Output 1

YES YES YES

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 $\overline{0}$.

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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
    2 int main()
3 - {
               int T,n,1,left_sum,right_sum;
scanf("%d",&T);
while(T--)
                      scanf(*%d*,&n);
int arr[n];
for(i=0;i<n;i+*)</pre>
   10
11
12
13
14
15
                           scanf("%d",&arr[i]);
                      left_sum = 0;
right_sum = 0;
for(i=0;i<n;i++)
   16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
                            right_sum += arr[i];
                       for(1=0;1<n;1++)
                            right_sum -= arr[i];
if(left_sum == right_sum)
                                  printf("YES\n");
                                   break;
                            left_sum := arr[i];
                       if(left_sum != right_sum)
                            printf("NO\n");
   34
```

```
Expected Got
    Input
             YE5
                      YES &
             YES
                      YES
    1 1 4 1 1 YES
                     YES
    2000
    0020
                     NO V
YES
V 2
             NO
             YES
    122
    1233
Passed all tests! ~
```