**REC-CIS** 

GE23131-Programming Using C-2024 Quiz navigation Status Finished Started Monday, 23 December 2024, 5:33 PM Completed Wednesday, 18 December 2024, 11:46 PM Show one page at a time **Duration** 4 days 17 hours Finish review Question 1 Sunny and Johnny like to pool their money and go to the ice cream parlor. Correct Johnny never buys the same flavor that Sunny does. The only other rule they Marked out of have is that they spend all of their money. 5.00 ▼ Flag Given a list of prices for the flavors of ice cream, select the two that will cost all question of the money they have. For example, they have m = 6 to spend and there are flavors costing cost = [1, 1]2, 3, 4, 5, 6]. The two flavors costing 1 and 5 meet the criteria. Using 1-based indexing, they are at indices 1 and 4. **Function Description** 

It has the following:

**Input Format** 

2.

purchased.

**Constraints** 

 $1 \le t \le 50$ 

 $2 \le m \le 10^4$ 

 $2 \le n \le 10^4$ 

**Output Format** 

**Sample Input** 

2

4

5

4

4

14

12

14532

2243

**Sample Output** 

**Explanation** 

Answer: (penalty regime: 0 %)

int main(){

2 🔻 3

4

6

7

8 9

10 11

12

13

14

15

16 17

18 19 20

21 | return 0;}

Input

1 4 5 3 2

2 2 4 3

Passed all tests! <

numbers?

**Notes** 

numbers.

It has the following:

**Input Format** 

**Constraints** 

 $n \leq m$ 

**Output Format** 

**Sample Input** 

**Sample Output** 

204 205 206

**Explanation** 

3

6

8

10

11 1

12 13 14

15 16

17

18 19

20 21

22 23

24

25 26

27 28

29

30

31

32 33

34

35

36

37 38 39

40 41

42

return 0;

Input

10

13

Question **3** 

Marked out of

Correct

5.00

▼ Flag

question

Passed all tests! <

satisfies the rule as left and right sum to **0**.

element that meets the criterion.

arr: an array of integers

It has the following:

**Input Format** 

**Constraints** 

 $1 \le T \le 10$ 

 $1 \le n \le 10^5$ 

 $0 \le i \le n$ 

right; otherwise print NO.

**Output Format** 

Sample Input 0

2

3

4

123

1233

NO

YES

**Sample Output 0** 

**Explanation 0** 

the given conditions.

Sample Input 1

3

5

4

4

11411

2000

0020

YES

YES

YES

**Explanation 1** 

Answer: (penalty regime: 0 %)

2 int main(){

3

4

5 6

8

9

10

11

12

13

14 15

16

17

18

19

20

21 22 23

**✓** 

Input

2 0 0 0

0 0 2 0

1 2 3

1 2 3 3

Passed all tests! <

2

1 1 4 1 1 YES

#include<stdio.h>

int t,n,Is,rs,m; scanf("%d",&t);

> Is=0;rs=**0**;

if(arr[m] == 0){

Is=Is+arr[j];

rs=rs+arr[j];

YES YES

N0

YES

} return 0;

m=n/2;

for(int i=0;i<t;i++){</pre>

scanf("%d",&n);

for(int j = 0;j<=m;j++)</pre>

**Expected Got** 

for(int j=m; j<n; j++)</pre>

for(int j=0 ;j<n;j++)</pre>

scanf("%d",&arr[j]);

for(m=0;arr[m]==0 && m<n;m++);</pre>

printf("%s\n",(Is==rs)?"YES":"N0");

**/** 

**/** 

Finish review

YES

YES

YES

N0

YES

int arr[n];

**Sample Output 1** 

For the first test case, no such index exists.

 $1 \le arr[i] \le 2 \times 10^4$ 

**Answer:** (penalty regime: 0 %)

2 int main(){

#include <stdio.h>

int arr[n];

int n,m,c, c1=0,co;

for (int a=0;a<n;a++){</pre>

for( int b=0 ;b<m;b++){</pre>

scanf("%d",&arr[a]);

scanf("%d",&brr[b]);

for(int i=0 ; i<n;i++){</pre>

c=1;

break;

ans[c1]=brr[j];

for(int b=0;b<c1;b++){</pre>

if(ans[b]<ans[a])</pre>

**Expected** 

204 205 2

if(arr[i]==brr[j]){

arr[i]=**-1;** 

scanf("%d",&n);

scanf("%d",&m);

c=**0**;

int brr[m],ans[m];

for(int j=0;j<m;j++)</pre>

**if**(c==0){

co=**0**;

c1++;

for(int a=0;a<c1;a++){</pre>

co++;

int temp = ans[a];

203 204 205 206 207 208 203 204 205 206

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

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

between two subarrays that sum to 11. If your starting array is [1], that element

all elements to the right. For instance, given the array arr = [5, 6, 8, 11], 8 is

You will be given arrays of integers and must determine whether there is an

Complete the code in the editor below. It should return a string, either YES if

there is an element meeting the criterion or NO otherwise.

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

The next **T** pairs of lines each represent a test case.

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

- The second line contains n space-separated integers arr[i] where  $0 \le i < n$ .

For each test case print YES if there exists an element in the array, such that

the sum of the elements on its left is equal to the sum of the elements on its

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

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.

ans[a]=ans[co];

ans[co]=temp;

for(int i=0;i<c1;i++)</pre> printf("%d ",ans[i]);

10

13

missing are [4, 6].

is also a missing number.

list is less than or equal to 100.

There will be four lines of input:

*n* - the size of the first list, *arr* 

 $1 \le n, m \le 2 \times 10^5$ 

 $1 \le brr[i] \le 2 \times 10^4$ 

 $X_{max} - X_{min} < 101$ 

Output the missing numbers in ascending order.

203 204 205 206 207 208 203 204 205 206

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

rest of the numbers have the same frequencies in both lists.

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 brr. The

 $\emph{m}$  - the size of the second list,  $\emph{brr}$ 

arr: the array with missing numbers

The next line contains *n* space-separated integers *arr[i]* 

The next line contains **m** space-separated integers **brr[i]** 

brr: the original array of numbers

#include<stdio.h>

int t,m,n,c=0; scanf("%d",&t);

C=0;

for(int i= 0; i<t;i++){

int arr[n];

 $scanf("%d\n%d",\&m,\&n);$ 

for(int j=0;j<n;j++){</pre>

for(int a=0;a<n-1;a++){</pre>

} if(c==1)break;

Numeros the Artist had two lists that were permutations of one another. He was

another, some numbers were lost out of the first list. Can you find the missing

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

If a number 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

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

The difference between maximum and minimum number in the second

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

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

The original array of numbers brr = [7, 2, 5, 4, 6, 3, 5, 3]. The numbers

very proud. Unfortunately, while transporting them from one exhibition to

**Expected Got** 

1 4

1 2

scanf("%d",&arr[j]);

for(int b=a+1;b<n;b++){</pre>

if(arr[a]+arr[b]==m){

c=1;break;

printf("%d %d\n",a+1,b+1);

described as follows:

 $cost[cost[1], cost[2], \ldots, cost[n]].$ 

 $1 \le \text{cost}[i] \le 10^4$ , "  $i \hat{I}[1, n]$ 

There will always be a unique solution.

the two flavors purchased, in ascending order.

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

available that day, flavors 1 and 4 have a total cost of 1 + 3 = 4.

available that day, flavors 1 and 2 have a total cost of 2 + 2 = 4.

The first time, they pool together m = 4 dollars. Of the five flavors

The second time, they pool together m = 4 dollars. TOf the four flavors

Complete the code in the editor below. It should return an array containing the

m: an integer denoting the amount of money they have to spend

The first line contains an integer, t, denoting the number of trips to the ice

cream parlor. The next t sets of lines each describe a visit. Each trip is

The integer **m**, the amount of money they have pooled.

The integer n, the number of flavors offered at the time.

**n** space-separated integers denoting the cost of each flavor:

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

For each test case, print two space-separated integers denoting the indices of

cost: an integer array denoting the cost of each flavor of ice cream

indices of the prices of the two flavors they buy.

Question 2 Correct Marked out of 5.00 ▼ Flag question