**REC-CIS** GE23131-Programming Using C-2024 Quiz navigation **Status** Finished Started Monday, 23 December 2024, 5:33 PM Completed Friday, 6 December 2024, 7:08 PM Show one page at a time **Duration** 16 days 22 hours Finish review Question 1 Sunny and Johnny like to pool their money and go to the ice cream parlor. Johnny never buys the same flavor that Correct Sunny does. The only other rule they have is that they spend all of their money. Marked out of 5.00 Given a list of prices for the flavors of ice cream, select the two that will cost all of the money they have. Flag question For example, they have m = 6 to spend and there are flavors costing cost = [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** 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, t, denoting the number of trips to the ice cream parlor. The next t sets of lines each describe a visit. Each trip is described as follows: 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: cost[cost[1], cost[2], ..., cost[n]]. Note: The index within the cost array represents the flavor of the ice cream purchased. Constraints  $1 \le t \le 50$  $2 \le m \le 10^4$  $2 \le n \le 10^4$  $1 \le cost[i] \le 10^4$ , "  $i \hat{I} [1, n]$ 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** 2 5 14532 2243 **Sample Output** 14 12

**Explanation** 

total cost of 1 + 3 = 4.

have a total cost of 2 + 2 = 4.

Answer: (penalty regime: 0 %)

1 #include<stdio.h>

int t, m, n, c=0;

c=0;

scanf("%d",&t);

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

int arr[n];

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

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

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

}if (c==1)break;

**Expected Got** 

[7, 2, 5, 4, 6, 3, 5, 3]. The numbers missing are [4, 6].

arr: the array with missing numbers

brr: the original array of numbers

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

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

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

1 #include<stdio.h>

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

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

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

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

}

if(c==0){

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

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

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

c=1;

break;

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

arr[i]=-1;

scanf("%d",&n);

scanf("%d",&m);

c=0;

int brr[m],ans[m];

int arr[n];

2 v int main (){

7

8

9

10

11 v

12 13

14 15 16

17 \* 18 \*

19

20 21

22 23

24 1

25

26 27

 $n \leq m$ 

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

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

1 4

1 2

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);

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

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

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

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

2 v int main(){

3

4

5 ₹ 6

7 8

9 \*

10 11

12 \*

13 1

14

15

16 17

18 19 20

return 0;}

Input

1 4 5 3 2

2 2 4 3

Passed all tests! <

missing numbers?

Notes

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

The second time, they pool together m = 4 dollars. TOf the four flavors available that day, flavors 1 and 2

Question 2 Correct 5.00

Marked out of Flag question

lists is the same. If that is not the case, then it is also a missing number. Complete the code in the editor below. It should return an array of missing numbers. It has the following: **Input Format** There will be four lines of input: n - the size of the first list, arr The next line contains *n* space-separated integers *arr[i]* m - the size of the second list, brr The next line contains *m* space-separated integers *brr[i]* Constraints **Output Format** Output the missing numbers in ascending order. **Sample Input** 

**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 brr. The rest of the numbers have the same frequencies in both lists. Answer: (penalty regime: 0 %) Question **3** 

Correct

5.00

Marked out of

Flag question

28 29 30 co=0; 31 1 32 33 co++; 34 int temp=ans[a]; 35 ans[a]=ans[co]; 36 ans[co]=temp; 37 38 39 40 41 42 return 0; 43 44 45 46 47 48 49 50 51 Input 10 13 Passed all tests! < right sum to 0. criterion or NO otherwise. It has the following: arr: an array of integers **Input Format** Constraints  $1 \le T \le 10$  $1 \le n \le 10^5$  $1 \leq arr[i] \leq 2 \times 10^4$  $0 \le i \le n$ **Output Format** Sample Input 0 2 3 123 4 1233 Sample Output 0 NO YES **Explanation 0** For the first test case, no such index exists. Sample Input 1 3 5 11411 4 2000 4 0020 **Sample Output 1** YES YES YES **Explanation 1** Answer: (penalty regime: 0 %) 1 #include(stdio.h) 2 v int main(){ int t,n,Is,rs,m; scanf("%d",&t); Is=0; rs=0; scanf("%d",&n); int arr[n]; 10 11 12 m=n/2; if (arr[m]==0){ 13 v 14 15 16 Is=Is+arr[j]; 17 18 rs=rs+arr[j]; 19 20 21 22 return 0; 23 24 } **Expected Got** Input YES YES YES 1 1 4 1 1 YES YES

2000

0020

NO YES

2

3

1 2 3

1 2 3 3

Passed all tests! <

NO

c1++; for(int a=0;a<c1;a++){</pre> for(int b=0;b<c1;b++){</pre> if(ans[b]<ans[a])</pre> for(int i=0;i<c1;i++)</pre> printf("%d ",ans[i]); 203 204 205 206 207 208 203 204 205 206 203 204 204 205 206 207 205 208 203 206 205 206 204 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  $0 \le i < n$ . equal to the sum of the elements on its right; otherwise print NO. 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. for (int i=0;i<t;i++){</pre> for (int j=0;j<n;j++)</pre> scanf("%d",&arr[j]); for(m=0;arr[m]==0&&m<n;m++); for (int j=0;j<=m;j++)</pre> for(int j=m;j<n;j++)</pre> printf("%s\n",(Is==rs)?"YES":"NO");

ans[c1]=brr[j]; **Expected** Got 204 205 206 204 205 206 🗸 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 11. If your starting array is [1], that element satisfies the rule as left and 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

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