WEEK:08 Name: ARAVIND RAJESH Reg No: 240701046 Question 1 Correct Marked out of 1.00 Flag question

elements of the given array. **Constraints:**

1<=t<=10

1<=n<=1000 1<=a[i]<=1000 Input: First line contains an integer **T** denoting the number of testcases. First line of every testcase contains two integer **N** and **M**.

Next line contains **N** space separated integers denoting the elements of array

M is 1 and N is 5 so you have to calculate maximum and minimum sum using (5-1 =) 4

Maximum sum using the 4 elements would be (2+3+4+5=)14.

Minimum sum using the 4 elements would be (1+2+3+4=)10.

int n,m,d,min,temp;

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

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

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

min=k;

temp=arr[min];

int maxsum=0, minsum=0;

for(int b=n-1;b>m-1;b--)

printf("%d\n", maxsum-minsum);

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

minsum+=arr[a];

maxsum+=arr[b];

Expected Got

4

4

/

A new deadly virus has infected large population of a planet. A brilliant scientist has

discovered a new strain of virus which can cure this disease. Vaccine produced from this

midichlorians count in vaccine batch is more than midichlorians count of person. A doctor

receives a new set of report which contains midichlorians count of each infected patient,

Practo stores all vaccine doctor has and their midichlorians count. You need to determine if

doctor can save all patients with the vaccines he has. The number of vaccines and patients

First line contains the number of vaccines - N. Second line contains N integers, which are

strength of vaccines. Third line contains N integers, which are midichlorians count of

Strength of vaccines and midichlorians count of patients fit in integer.

virus has various strength depending on midichlorians count. A person is cured only if

arr[j]=temp;

arr[min]=arr[j];

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

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

if(arr[k]<arr[min])</pre>

For every test case print your answer in new line

Output:

1

51

4

12345

Explanation

elements.

1

3

4 5 ▼

6

7 8

9

10 ▼

11 12

13 🔻 14

15 ▼

16 17

18 19

20

21 22

23 24

25

26 27

28

29

30 31 32

33 34 35

}

Input

1 2 3 4 5

Passed all tests! <

1 5 1

Question 2

Marked out of 1.00

are equal.

patients.

Output Format

Input Constraint

SAMPLE INPUT

123 146 454 542 456

100 328 248 689 200

Answer: (penalty regime: 0 %)

int main(){

#include<stdio.h>

scanf("%d",&n);

int vac[n],pat[n];

for(int i=0;i<n;i++)</pre> scanf("%d",&vac[i]);

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

scanf("%d",&pat[i]);

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

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

if(vac[k]<vac[min1])</pre>

if(pat[k]<pat[min2])</pre>

min1=j,min2=j;

min1=k;

min2=k;

temp=vac[min1];

temp=pat[min2];

vac[j]=temp;

pat[j]=temp;

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

flag=0;

break;

}

else{

if(flag==1){

printf("No");

123 146 454 542 456 100 328 248 689 200

indices (i, j) such that $1 \le i < j \le n$ and a_i xor $a_j = 0$.

- First line: *n* denoting the number of array elements

Output the required number of pairs.

- Second line: n space separated integers a_1, a_2, \ldots, a_n .

printf("Yes");

vac[min1]=vac[j];

pat[min2]=pat[j];

if(vac[i]<=pat[i]){</pre>

Expected Got

No

No

You are given an array of n integer numbers a_1, a_2, \ldots, a_n . Calculate the number of pair of

int n,min1,min2,temp,flag=1;

SAMPLE OUTPUT

5

No

2 🔻

3

4 5

6

7

8

9

10 ▼ 11

12 •

13

14

15 16

17

18

19

20

21

22

26 •

27 28

29

30 31

32 ▼

35 ▼

}

Input

Passed all tests! <

Question 3

Marked out of 1.00

Input format

Output format

Constraints

 $1 \le n \le 10^6$

 $1 \le a_i \le 10^9$

5

2

Explanation

1 2 🔻

3

4 5

6

7

8 •

9 •

10 11

12 13

14 15

16

}

Input

Passed all tests! <

Question 4

Marked out of 1.00

Flag question

Example:

 $A=\{4,5,3,7,1\}$

INPUT:

OUTPUT:

CONSTRAINTS:

1<=m<=106

0<=A[i]<=106

SAMPLE INPUT

SAMPLE OUTPUT

Answer: (penalty regime: 0 %)

2 √ int main(){

#include<stdio.h>

scanf("%d",&n);

int max=arr[0];

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

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

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

if(arr[i]>max)

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

arr[min]=max;

Expected

min=b;

printf("%d ",min);

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

if(arr[b] < arr[min])</pre>

Got

Finish review

4 2 0 1 3 4 2 0 1 3

max=arr[i];

int arr[n];

int n;

max++;

int min=0;

5

45371

42013

3

4 5

6

7

8

10

11 12 13

14

15 ▼

16 •

17 18

19

20

21 22 23

24

Quiz navigation

2

Finish review

3

Show one page at a time

4

}

Input

Passed all tests! <

4 5 3 7 1

9 •

Correct

1 3 1 4 3

13143

SAMPLE INPUT

SAMPLE OUTPUT

The 2 pair of indices are (1, 3) and (2,5).

Answer: (penalty regime: 0 %)

int main(){

#include<stdio.h>

int n, count=0;

scanf("%d",&n);

for(int i=0;i<n;i++)</pre> scanf("%d",&arr[i]);

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

count++;

Expected Got

After sorting the new array becomes A={1,3,4,5,7}.

The first line of input consists of the size of the array

The required output should be "4 2 0 1 3"

The next line consists of the array of size m

Output consists of a single line of integers

NOTE: The indexing of the array starts with 0.

2

You are given an array **A** of non-negative integers of size **m**. Your task is to sort the array in

non-decreasing order and print out the original indices of the new sorted array.

printf("%d",count);

for(int j=i+1;j<n;j++){</pre>

if((arr[i]^arr[j])==0)

int arr[n];

Correct

36 37 38

39 40

33 34

1 < N < 10

Print a single line containing 'Yes' or 'No'.

Input Format

Correct

Difference will be 14-10=4.

2 √ int main(){

Answer: (penalty regime: 0 %)

#include<stdio.h>

scanf("%d",&t);

d=n-m;

int arr[n];

min=j;

while(t--){

int t;

SAMPLE OUTPUT

SAMPLE INPUT

Coders here is a simple task for you, you have given an array of size **N** and an integer **M**. Your task is to calculate the **difference between maximum sum and minimum sum of N-M**