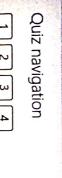
# GE23131-Programming Using C-2024



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Finish review

Status Finished

Started Monday, 13 January 2025, 7:05 AM

Completed Monday, 13 January 2025, 8:23 AM

**Duration** 1 hour 17 mins

Question

Correct

Marked out of 1.00

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 elements of the given

Y Flag question

#### Constraints:

1 <= t <= 10

1 <= n <= 1000

1 <= a[i] <= 1000

D

#### 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

#### Output:

For every test case print your answer in new line

SAMPLE INPUT

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. 4

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INGLINO STAMPS

```
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                                                                                                                                                                                                                                                                                                                                                               Answer: (penalty regime: 0 %)
   118 * 119 220 220 221 222 223 224 225 226 227 228 229 239 239
                                                                                                                                                             13
14
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17
                                                                                                                                                                                                                                                                                                                                             1 #include<stdio.h>
                                                                                                                                                                                                                                                                                                                                    int main()
                                                                                                                                                                                                                                                                                    while(t--)
                                                                                                                                                                                                                                                                                                  int t;
scanf("%d",&t);
           maxsum--arr[b];
                                  minsum--arr[a];
                                                                                                                                                                                                                                                     scanf("%d %d",&n,&m);
printf("%d\n", maxsum minsum);
                         for(int b-n-1;b-m-1;b--)
                                               for(int a-0;a<d;a++)
                                                        int maxsum-0, minsum-0;
                                                                                                                                                                                             for(int j=0;j<n;j++)
                                                                                                                                                                                                        scanf("%d",&arr[i]);
                                                                                                                                                                                                                     for(int i=0 ;i<n;i++)
                                                                                                                                                                                                                               int arr[n];
                                                                                                                                                                                                                                           d=n-m;
                                                                                                                                                                                                                                                                int n,m,d,min,temp;
                                                                              temp-arr[min];
arr[min]-arr[j];
arr[j]-temp;
                                                                                                                                                                         min=j;
                                                                                                                                                             for(int k=j;k<n;k++)</pre>
                                                                                                                           if(arr[k]<arr[min])
min=k;</pre>
```

```
int maxsum=0, minsum=0;
for(int a=0;a<d;a++)
minsum+=arr[a];
for(int b=n-1;b>m-1;b--)
maxsum+=arr[b];
printf("%d\n", maxsum-minsum);
                                                                temp=arr[min];
arr[min]=arr[j];
arr[j]=temp;
                                                                                                if(arr[k]<arr[min])
min=k;</pre>
```

		<	
UN 	2 3	1-4	Input
	2		
		4	Expected Got
		4	Got
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Passed all tests! V

Question 2

Correct

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Y Flag question

A new deadly virus has infected large population of a planet. A brilliant scientist has discovered a new strain of virus has and their midichlorians count. You need to determine if doctor can save all patients with the vaccines he has. The receives a new set of report which contains midichlorians count of each infected patient, Practo stores all vaccine doctor person is cured only if midichlorians count in vaccine batch is more than midichlorians count of person. A doctor which can cure this disease. Vaccine produced from this virus has various strength depending on midichlorians count. A number of vaccines and patients are equal.

#### Input Format

contains N integers, which are midichlorians count of patients. First line contains the number of vaccines - N. Second line contains N integers, which are strength of vaccines. Third line

### **Output Format**

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

## Input Constraint

1 < N < 10

That mie comains me manner of vaccines - in pecona mie contains in mieders, which are sheright of vaccines. Third mie contains N integers, which are midichlorians count of patients.

## **Output Format**

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

## Input Constraint

1 < N < 10

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

## SAMPLE INPUT

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## SAMPLE OUTPUT

```
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   int main()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       #include<stdio.h>
                             for(int in0;i<n;i++)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     scanf("%d",&vac[i]);
                                                                                                                                                                                                                                                                                                                                                                              for(int j=0;j<n-1;j++)
                                                                                                                                                                                                                                                                                                                                                                                                                  scanf("%d",&pat[i]);
                                                                                                                                                                                                                                                                                                                                                                                                                                     for(int i=0;i<n;i++)</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for (int i=0;i<n;i++)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         int vac[n],pat[n];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            scanf("%d",&n);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              int n,min1,min2,temp,flag=1;
SELVERTINE METTINS
                                                                                                    temp pat[min2];
                                                                pat[j] temp;
                                                                                   pat[min2] pat[j];
                                                                                                                                        vac[j]≈temp;
                                                                                                                                                         vac[min1]=vac[j];
                                                                                                                                                                           temp = vac[min1];
                                                                                                                                                                                                                                                                                                                                          min1=j,min2=j;
                                                                                                                                                                                                                                                                                                                      for(int k=j;k<n;k++)</pre>
                                                                                                                                                                                                                                                                   min1=k;
                                                                                                                                                                                                                                 min2=k;
                                                                                                                                                                                                                                                  if(pat[k]<pat[min2])
                                                                                                                                                                                                                                                                                    if(vac[k]<vac[min1])</pre>
```

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                                                                                for(int i=0;i<n;i++)
{</pre>
                                                                                                                                temp=vac[min1];
vac[min1]=vac[j];
vac[j]=temp;
                                                                                                 temp=pat[min2];
pat[min2]=pat[j];
pat[j]=temp;
                                                      if(vac[i]<=pat[i]){
   flag=0;
   break;</pre>
                         if (flag==1)
printf("Yes");
            printf("No");
```

```
Input Expected Got

5 No No No 123 146 454 542 456
100 328 248 689 200
```

5/

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 $< j \le n$  and  $a_i \times or a_j = 0$ . You are given an array of n integer numbers  $a_1, a_2, \ldots, a_n$ . Calculate the number of pair of indices (i, j) such that  $i \le i$ 

P Flag question

Input format

- First line: n denoting the number of array elements

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

Output format

Output the required number of pairs.

Constraints

 $1 \le n \le 10^6$ 

 $1 \leq a_i \leq 10^9$ 

SAMPLE INPUT

W

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

< 13143 5 Input Expected Got 2 <

Passed all tests! ~

Marked out of Question 4 Correct print out the original indices of the new sorted array. You are given an array  ${m A}$  of non-negative integers of size  ${m m}$ . Your task is to sort the array in non-decreasing order and

Example:

Flag question र्

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

Correct Chestou 4

§ Flag question

18 Marked out of

print out the original indices of the new sorted array.

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

Example:

h-14,5,3,7,7)

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

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

IMPUT :

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

OUTPUT :

Output consists of a single line of integers

新新男子 阿拉拉丁

## SAMPLE INPUT

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## SAMPLE OUTPUT

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# Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 . {
   int n;
   scanf("%d",in);
   int arr[n];
   for(int i=e;i<n;i++)
   scanf("%d",iarr[i]);
   int max=arr[0];
   for(int i=1;i<n;i++)
   if(arr[i]>max)
   int max=arr[i];
}
```

```
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11,
12
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18 * 19 20 * 21 22 23 23 24 25 26 27
                                                                                                                                            for(int i=1;i<n;i++)</pre>
                                                                                                                                                           int n;
scanf("%d",&n);
int arr[n];
for(int i=0;i<n;i++)
scanf("%d",&arr[i]);</pre>
                                                                                 max++;
int min=0;
for(int a=0;a<n;a++)</pre>
                                                                                                                 if(arr[i]>max)
max=arr[i];
       printf("%d ",min);
arr[min] = max;
                                                               for(int b=0;b<n;b++)</pre>
                                        if(arr[b]<arr[min])
min=b;</pre>
```

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Input Expected Got

Input Expected Got

Passed all tests! V

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