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Problem 1:

Rotate the given array to the number of times given by the user in users prefered direction.

Input:

First Line will be a number N

Second Line contains n numbers

Third Line containing user preference to rotate the array in direction and count

Output:

Array after rotation

Input 1:

5

1 2 3 4 5

r 3

Output 1:

3 4 5 1 2

Input 2:

7

1 2 3 4 5 6 7

l 2

Output 2:

3 4 5 6 7 1 2

Problem 2:

Given an array remove all the duplicate elements in the array

Input:

First line contains an integer N

Second line contains n integer elements

Output:

Resultant Array

Input 1:

9

1 1 3 4 5 1 2 3 4

Output 1:

1 3 4 5 2

Problem 3:

Given two sorted arrays of different size merge them with the order maintained and remove the duplicate intersecting elements

Input:
First Line an integer N (size of arr A)
Second line n elements of array A
Third line an Integer M (size of arr B)
Fourth line m elements of array B

Output :
Merged Output of both array

Input 1:
4
4 7 9 23
7
1 5 9 11 34 34 40

Output 1:
1 4 5 7 9 11 34 34 40

Problem 4:

Given an array print the starting and ending index of longest non decreasing subarray present in the given array

Input:
First line a number N
Second line n numbers

Output :
A line containing starting and ending index

Input 1:
8
3 1 4 7 11 2 6 4

Output 1:
1 4

Input 2:
5
5 4 6 11 15
Output 2:
2 4

Problem 5:

Given an array output the most frequently repeated element. If two elements have the same frequency then the element that is present first array as to be printed

Input:
First line input N
Second line n elements in an array

Output:
Frequently repeated element

Input 1:
10
1 2 4 1 2 3 3 1 1 2
Output 1:
1

Input 2:
10
4 4 4 4 4 8 8 8 8 8
Output 2:
4

Problem 6:

Given an array of elements and K a value print all the pairs of elements in the array that sums up to K

Input:
First line a value of N and value K
Second line n elements

Output:
All pairs of elements that adds up to the value of K

Input 1:
9 10
1 2 3 4 5 6 7 8 9

Output 1:
1 9
2 8
3 7
4 6

Input 2:
5 6
1 2 3 4 5
Output 2:
2 4

Problem 7

Given an array as input sort all the even index elements in ascending order and odd index elements in descending order

Input:
First Line as a value N
Second Line takes n elements as input

Output :
Print the array by sorting even index elements in ascending order and odd index elements in descending order

Input 1:
8
6 19 12 31 3 27 45 32

Output 1:
3 32 6 31 12 27 45 19

Problem 8:

Given an array print smallest number of operations required to make all the elements in the array as the same value.

One operation is known as holding any one element in the array and incrementing all other elements in the array by value 1

Example

3 6 7 8

If the above is a sample array and i can hold any one element an increment all other elements in the array

3 7 8 9

This will be considered as one operation

Input :
First Line takes N as input
Second line takes n elements as input

Output:
Count of minimum operations to make all the elements of array as same value

Input 1:
5
1 2 3 4 5

Output 1:
10

A min of 10 operations are required to make all the elements of the array as same value

Problem 9:

Given array print the next greater number present in the array

Input :
First line takes n as input
Second line takes n elements as input

Output:
Print the next greater element present in the array

Input 1:
7
4 7 11 6 19 12 3

Output 1:
6 11 12 7 _ 19 4

Input 2:
4
34 21 45 64

Output 2:
45 34 64 _

Problem 10

Given two arrays print "YES" if array b present in array A or else print "NO"

Input :
First line takes N as input
Second line takes n elements as input
Third line takes M as input
Fourth line takes M elements as input

Output:
Print YES if exist and No if doesn't

Input 1:
8
1 2 3 4 5 6 7 8
3

4 5 6

Output 1:
Yes

Input 2:
6
1 2 3 4 5 6
4
1 3 4 5

Output 2:
No

Note:

Please do not look for solutions on the internet
You ppl are free to browse learn something whenever you get stuck.
Please let me know in the group in which you stuck and looked over the internet

Once you people finish them ping me immediately.

Happy Coding!!!!