For each index,

Add 1 to the value stored at that index if the element at that index is greater than zero.

Add 2 to the value at the index if the element at that index is equal to zero.

Add 3 to the value at the index if the element at that index is less than zero.

In the end **print** all the elements of the array such that each element is printed in a separate line.

Input Format

First line contains an integer number n representing size of array.

Second line contains n numbers representing elements of the array.

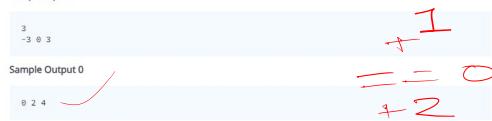
Constraints



Output Format

Print the updated the values of array in single line.

Sample Input 0



Explanation 0

since at index 0 value is negative therfore numbers[0] changes as numbers[0]+3 i.e = -3+3 = 0.

Similarly, at index 1 value is 0. Therefore we have added 2 to the numbers[1].

And at index 2, value is positive. Therefore we have added 1 to the numbers[2].

Submitted Code

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int arr[] = new int[n];
           for(int i=0;i<n;i++)arr[i]=sc.nextInt();</pre>
           int res[] = performOperation(arr);
13
           for(int i=0;i<res.length;i++)System.out.print(res[i]+" ");</pre>
14
15
      public static int [] performOperation(int arr[]){
           for(int i=0;i<arr.length;i++){
17
               if(arr[i]>0)arr[i]=arr[i]+1;
18
               else if(arr[i]==0)arr[i]=arr[i]+2;
19
               else if(arr[i]<0)arr[i]=arr[i]+3;
           return arr;
23 }
```

-3, 0, 3 +3, +2, +1-2, -2,

Submitted Code

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int arr[] = new int[n];
           for(int i=0;i<n;i++)arr[i]=sc.nextInt();</pre>
11
12
            arr = performOperation(arr);
13
           for(int i=0;i<arr.length;i++)System.out.print(arr[i]+" ");</pre>
14
15
       public static int [] performOperation(int arr[]){
16
           for(int i=0;i<arr.length;i++){
17
               if(arr[i]>0)arr[i]=arr[i]+1;
18
               else if(arr[i]==0)arr[i]=arr[i]+2;
19
               else if(arr[i]<0)arr[i]=arr[i]+3;
20
21
           return arr;
22
23 }
```

Take an number n and n elemetrs from the user, Also Take left, right as integer inputs such that 0<=left, right

Then update the given array from 0 to index-left and from index-right to arr.length (both left index and right index included) by adding x to the value already present at that index. In the end print all the elements of the array such that each element is printed in a separate line

Input Format

First line contains an integer number n representing size of array

Second line contains n integer number representing elements of array

Third line contains integer inputs left ,right and x.

Constraints

```
1 <= n <= 100000
0 <= arr[index] <= 100000
0 <= left <= right <n
0 <= x <= 100000
```

Output Format

single line containing updated value of array.

Sample Input 0

```
1 2 3 4 5 6
10
```

Sample Output 0

```
11 12 13 4 15 16
```

Explanation 0

since we are given left as 2 and right as 4.

therefore for index 0 to 2 and 4 till length of array,we increase value at this indexes by given x i.e 10.

and print the resultant array in single line.

Ist t= 2 in dex

orl. or

[11,121,13,4,25,16]

forci=0; i<0; i>2) { if (:< left)

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Submitted Code

```
Language: Java 15
  1 import java.jo.*:
 2 import java.util.*;
 4 public class Solution {
      public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
            int n = sc.nextInt();
            int arr[] = new int[n];
            for(int i=0;i<n;i++)arr[i]=sc.nextInt();</pre>
            int left=sc.nextInt();
            int right=sc.nextInt();
           int x = sc.nextInt();
             arr = updateQuery(arr,left,right,x);
            for(int i=0;i<arr.length;i++)System.out.print(arr[i]+" ");</pre>
       public \ static \ int \ [] \ updateQuery(int \ [] \ arr, \ int \ left \ , \ int \ right, \ int \ x)\{
            for(int i=0;i<arr.length;i++){
                if(i<=left || i>=right)arr[i]=arr[i]+x;
            return arr;
23
24 }
```

2 23 7 4 2 5 = 7)

ans[i] = noms[nom[i]]

2,1,

Construct an array called "ans" that has the same length as the "nums" array, which is indexed starting at 0. Each element in "ans" should be assigned with the value of "nums[nums[i]]". Finally, return the "ans" array.

Note: nums is an array of distinct integers from 0 to nums.length - 1

Input Format

First line contains an integer number n representing size of array.

Second line contains n integer inputs representing elements of array.

Constraints

```
1 <= nums.length <= 1000
0 <= nums[i] < nums.length
The elements in nums are distinct</pre>
```

Output Format

Print ans array as an output.

Sample Input 0

```
6
0 2 1 5 3 4
```

Sample Output 0

```
0 1 2 4 5 3
```

Explanation 0

The array ans is built as follows: ans = [nums[nums[0]], nums[nums[1]], nums[nums[2]], nums[nums[3]], nums[nums[4]], nums[nums[4]], nums[5], nums[6], nums

Submitted Code

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int nums[] = new int[n];
           for(int i=0;i<n;i++)nums[i]=sc.nextInt();</pre>
           nums = elementIndex(nums);
13
           for(int i=0;i<nums.length;i++)System.out.print(nums[i]+" ");</pre>
       public static int [] elementIndex(int nums[]){
16
17
           int ans [] = new int[nums.length];
           for(int i=0;i<nums.length;i++){</pre>
               ans[i]=nums[nums[i]];
           return ans;
22 }
```

0 1 2 3 4 5

, , , , , , , ,

COMSCIENUMS [num []]

an Forcis

Suppose you have an array of size n and a specific element k. Your task is to modify the array based on the following rules:

- 1. If the element is even and greater than k, divide it by 2.
- 2. If the element is odd and greater than k, add k to it.

Input Format

First line contains integer number n representing size of array.

Second line contains n integer inputs representing elements of array.

Third line contains an integer k.

Constraints

```
1 <= n <= 10000
0 <= arr[i] < 10000
0 <= k <= 10000
```

Output Format

print the **updated** array.

Sample Input 0

```
5
1 3 5 6 4
2
```

Sample Output 0

15732

```
5, 5, 6, 4 7
even 4 4 2 2 2000 [1]
anci 3/2
```

Obdi & Raconci)

Submitted Code

```
Language: Java 15
 1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
           int n = sc.nextInt();
           int arr[]= new int[n];
           for(int i=0;i<n;i++)arr[i]=sc.nextInt();</pre>
           int k = sc.nextInt();
           arr= updateWithK(arr,k);
           for(int i=0;i<n;i++)System.out.print(arr[i]+" ");</pre>
17
18
       public static int [] updateWithK(int [] arr , int k){
19
           for(int i=0;i<arr.length;i++){
20
               if(arr[i]>k){
                   if(arr[i]%2==0)arr[i]=arr[i]/2;
                   else arr[i]=arr[i]+k;
           return arr;
26
27 }
```

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arr [:] = arr[i] + k