For each index,

Store 1 at that index if the element at that index is greater than zero.

Store 0 at the index if the element at that index is equal to zero.

Store -1 at the index if the element at that index is less than zero.

In the end print the complete array one by one.

Input Format

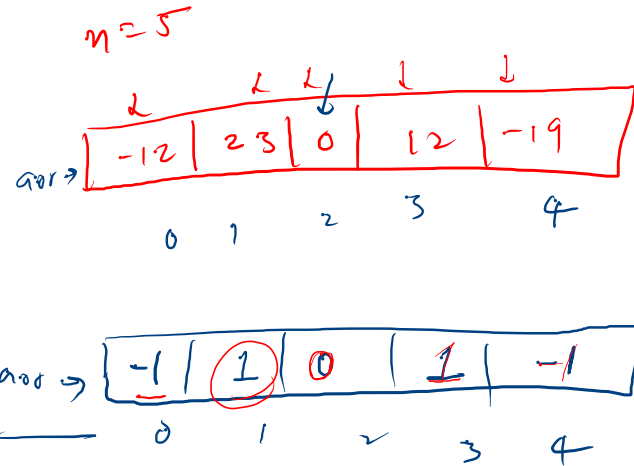a number n representing size of array

N numbers representing elemnts of array.

Constraints

5
-12 23 0 12 -19

Sample Output 0

-1 1 0 1 -1

$n = 5$

-12	23	0	12	-19

arr →   0   1   2   3   4

arr →
-1	1	0	1	-1

0   1   2   3   4

for (int i = 0; i < n; i++)

{

if (arr[i] > 0) → arr[i] = 1;

elseif (arr[i] < 0) → arr[i] = -1;

Given an array of size n with intial values. Take left, right as integer inputs such that 0<=left, right

Then update the given array from the index-left till the index-right(both left index and right index included) with the element x. In the end print all the elements of the array such that each element is printed in a separate line.

Input Format

A integer number n representing size of array.

N integer numbers representing elements of an array.

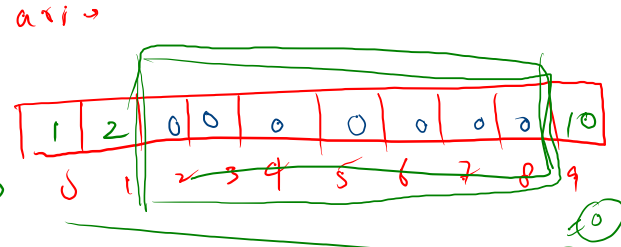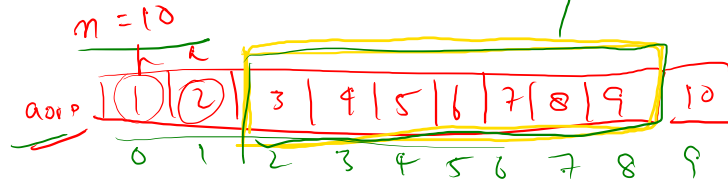two Integer number representing range i.e left and right.

An integer number x.

Sample Input 0

```
10
1 2 3 4 5 6 7 8 9 10
2 8
0
```

Sample Output 0

```
1 2 0 0 0 0 0 0 0 10
```

arr

1	2	0	0	0	0	0	0	0	10

0 1 2 3 4 5 6 7 8 9

n = 10

arr

1	2	3	4	5	6	7	8	9	10

0 1 2 3 4 5 6 7 8 9

10 → n
1 2 3 4 5 6 7 8 9 10 → arr
2 8 → left n.
0 → x

2,3,4,5,6,8 → x

for (int i=left; i<=right; i++)

left = 2
right = 8

x = 0

arr[i] = x

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.

Sample Input 0

3
-3 0 3

Sample Output 0

0 2 4

$n = 3$

-3	0	3
0	1	2

$-3 + 7 = 0$ $0 + 2 = 2$

0	2	4
0	1	2

```
for(int i=0; i<n; i++)
{

    if(arr[i] < 0)              arr[i] =
        arr[i] += 3;   //      arr[i]+3;
    else if(arr[i] > 0)
        arr[i] += 1;
    else
        arr[i] += 2;
}
```