'''

Given a sorted list of integers,

Your task is to find the continuous range of numbers, make them as groups

and print all the groups as show in the sample testcases.

For example:

Given list is [ 1, 2, 3 ]: 1, 2, 3 is continuous range, grouped as 1->3

Given list is [ 1, 2, 4, 5, 7 ]: 1, 2 is continuous range, grouped as 1->2,

4,5 grouped as 4->5, 7 is left alone.

Note: List contain no duplicates.

Input Format:

-------------

Line-1 -> Space separated integers in sorted order

Output Format:

--------------

Print the list of continuous range groups.

Sample Input-1:

---------------

5

1 2 4 5 7

Sample Output-1:

----------------

[1->2, 4->5, 7]

Explanation:

------------

1,2 form a continuous range; 4,5 form a continuous range.

Sample Input-2:

---------------

9

1 2 3 5 6 7 9 10 12

Sample Output-2:

----------------

[1->3, 5->7, 9->10, 12]

Explanation:

------------

1,2,3 form a continuous range

5,6,7 form a continuous range

9,10 form a continuous range

Write your python code below

'''

n=int(input())

l=list(map(int,input().split()))

l1=[]

count=0

cl=0

while(cl<len(l)):

if(count==0):

k=l[cl]

if(cl<len(l)-1 and l[cl]+1==l[cl+1]):

count+=1

else:

if(count==0 ):

l1.append(str(l[cl]))

else:

s=str(k)+'->'+str(l[cl])

l1.append(s)

count=0

 cl+=1

print(l1)

There are N laddus placed in a row. Each laddu has an ID printed on it.

IDs are printed in ascending order like as follows: S, S+1, S+2,...,E-2, E-1, E,

where N = E-S+1.

Chota Bheem ate K number of laddus randomly from the row. You are given

three integers K, S, E, and the IDs of the laddus eaten given as eaten[] array

in ascending order.

Your task is to find the ranges of IDs on the laddus remained in the row,

and print all the ranges as shown in the samples.

For example:

Given the IDs of the laddus eaten: [ 1, 2, 4, 51, 52, 53, 92, 93, 94, 95]

and S=1 E=100. The ranges of IDs of laddus which are remained in the row:

[3, 5:50, 54:91, 96:100]

Note: The array eaten[] contains no duplicates.

Input Format:

-------------

Line-1: Three space separated integers, K, S and E.

Line-2: K space separated integers in sorted order, eaten[] IDs of laddus eaten.

Output Format:

--------------

Print the list of ID ranges in the row.

Sample Input-1:

---------------

9 0 20

0 1 2 3 4 5 8 9 10

Sample Output-1:

----------------

[6:7, 11:20]

Sample Input-2:

---------------

14 -50 50

-48 -47 -35 -20 -19 0 21 22 23 25 26 39 43 47

Sample Output-2:

----------------

[-50:-49, -46:-36, -34:-21, -18:-1, 1:20, 24, 27:38, 40:42, 44:46, 48:50]

import java.util.\*;

public class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int k=sc.nextInt();

int s=sc.nextInt();

int e=sc.nextInt();

int[] arr=new int[k];

for(int i=0;i<k;i++){

arr[i]=sc.nextInt();

}

ArrayList<String> kk=new ArrayList<>();

if(s<arr[0]){

if(Math.abs(s-arr[0])==1){

kk.add(String.valueOf(s));

}

else{

kk.add(String.valueOf(s)+":"+String.valueOf(arr[0]-1));

}

}

for(int i=0;i<k-1;i++){

if( arr[i]+1==arr[i+1]){

continue;

}

else if(Math.abs((arr[i]+1)-(arr[i+1]))==1){

kk.add(String.valueOf(arr[i]+1));

}

else{

kk.add(String.valueOf(arr[i]+1)+':'+String.valueOf(arr[i+1]-1));

}

}

if(arr[k-1]<e){

if(Math.abs(arr[k-1]-e)==1){

kk.add(String.valueOf(e));

}

else{

kk.add(String.valueOf(arr[k-1]+1)+":"+String.valueOf(e));

}

}

System.out.println(kk);

}

}

The main diagonal of a grid is the diagonal from the top left corner to

the bottom right corner.

You've given a m\*n grid of boxes, each filled with a number.

Your task is to determine whether or not each of the main diagonal's boxes

is filled with the same number.

If filled with the same, print true; otherwise, false.

Input Format:

-------------

Line-1: Two integers M and N, size of the grid..

Next M lines: N space separated integers, numbers filled in thr grid of boxes.

Output Format:

--------------

Print a boolean value.

Sample Input-1:

---------------

3 4

1 2 3 4

5 1 2 3

9 5 1 2

Sample Output-1:

----------------

true

Explanation:

------------

In the above grid, the diagonals are:

[9], [5, 5], [1, 1, 1], [2, 2, 2], [3, 3], [4].

In each diagonal all the boxes are filled with the same number,

so the answer is True.

import java.util.\*;

public class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int r=sc.nextInt();

int c=sc.nextInt();

int[][] arr=new int[r][c];

for(int i=0;i<r;i++){

for(int j=0;j<c;j++){

arr[i][j]=sc.nextInt();

}

}

boolean flag=true;

for(int i=0;i<r-1;i++){

for(int j=0;j<c-1;j++){

if(arr[i][j]==arr[i+1][j+1]){

continue;

}

else{

flag=false;

}

}

}

System.out.println(flag);

}

}