

Question 1

Correct

Marked out of 10.00

Given N numbers, the program must increment a given number by the absolute difference between it's adjacent cells. Treat the other element as zero for the first and last numbers.

Input Format:

The first line contains N.

The second line contains N numbers separated by space.

Output Format:

The first line contains N numbers incremented as per the given condition.

Boundary Conditions:

2 <= N <= 9999

Value of a given number is from -99999 to 99999

Example Input/Output 1:

Input:

6
-20 10 55 -5 20 -10

Output:

-10 85 70 30 25 10

For example:

Input	Result
6 -20 10 55 -5 20 -10	-10 85 70 30 25 10

Answer: (penalty regime: 0 %)

```

1 c=int(input())
2 c1=list(map(int,input().split()))
3 c2=[]
4 for i in range(c):
5     if i==0:
6         r=abs(c1[i+1]-0)
7         r1=(r+c1[i])
8         c2.append(r1)
9     elif i>0 and i<=(c-2):
10        r=abs(c1[i+1]-c1[i-1])
11        r1=(r+c1[i])
12        c2.append(r1)
13    elif i==(c-1):
14        r=abs(0-c1[i-1])
15        r1=r+c1[i]
16        c2.append(r1)
17 print(' '.join(str(x) for x in c2))
18

```

	Input	Expected	Got	
✓	6 -20 10 55 -5 20 -10	-10 85 70 30 25 10	-10 85 70 30 25 10	✓

Passed all tests! ✓