

Example: Initially peoples are 1,2,3,4,...

L = [2,3], The list of Bumarro. (

- a) 2 we give command to robot to catch second man
- b) 2 we give command to robot to knockoff third man

Note that, new position of third man is 2 after catching second man

Input:

First line of input contains an integer S, where S is the length of list 'L', L < 100001. of people to be knocked off. Second Line of input contains S integers - indices which are to be knocked off

output in one line with the space separated position of indices where the gun will shoot.	
Sample Input	
2	
23	
Sample Output	
22	

Output: