Medal of Honor

Problem:

Our Republic day is an occasion to commemorate the soldiers, who have performed outstanding deeds of bravery and selfless sacrifice. They are awarded the bravery medals, *Param Vir Chakra*, *Vir Chakra* and *Maha Vir Chakra*. Children are also honored with National Bravery Awards for the highest degree of valor and presence of mind in dangerous situations.

The organizing committee has stored the medals in **N** boxes, numbered from **1** to **N**. The **i^{th}** box contains **A_i** medals.

Suppose there are A_1, A_2 ... A_N medals in 1^{st}, 2^{nd}... N^{th} boxes respectively. So, indexing of medals in 1^{st} box will be from 1 to A_1, similarly in 2^{nd} box indexing will be A_1+ 1 to A_2 ...and indexing in N^{th} box will be from A_{N-1} + 1 to A_N.

Now the committee wants to know the box in which a medal is kept, given the index number of the medal.

Can you help them to do so?

Input:

- First line will contain N(Number of boxes).
- Next line will contain N space separated integers denoting AI, the number of medals in the ith box.
- Next line will contain Q(Total number of medals).
- Then each next Q lines will contain the asked index **i** of medal.

Output:

For every query, print in a new line: the box number containing the medal whose index number is **i**.

Constraints:

- $1 \le N, Q \le 10$

5

- $1 \le Ai \le 10$
- $1 \le \sum Ai \le 10^6$
- $1 \le i \le \sum Ai$

Sample Input:

3
3 5 1
2
7
9

Sample Output:

2
3

Explanation:

1st box will contain medals with index: 1, 2, 3
2nd box will contain the medals with index: 4, 5, 6, 7, 8
3rd box will contain a single medal with index: 9

Medal with 7^{th} index is present in box number 2
Medal with 9^{th} index is present in box number 3

Time Limit:

1 Second.