Milly and Pranjul are playing a game in which Pranjul will give an index of a chocolate. Then, Milly has to tell him the box number in which that chocolate is in. There are **N** such boxes and **Ci** chocolates are there in **ith** the box. Description of index is given below :

Suppose there are **A1, A2 … AN** chocolates in **1st, 2nd… Nth** boxes respectively. So, indexing of chocolates in **1st** box will be from 1 to **A1**, similarly in **2nd** box indexing will be **A1 + 1** to **A2** … and indexing in **Nth** box will be from **AN-1 + 1** to **AN**.

Milly is blind folded so she can’t see the boxes. You are required to help her.

**Input**

* First line will contain **N** (No. of boxes). Next line will contain **N** space separated integers denoting **Ci**, the number of chocolates in **ith**box.
* Next line will contain **Q** (No. of times Pranjul will ask her). Then each next **Q** lines will contain the asked index **I**.

**Output**

* For every query, print in a new line : the box number in which that index of chocolate is in.

**Constraints**

* 1 ≤ **N, Q** ≤ 105
* 1 ≤ **Ci** ≤ 10
* 1 ≤ **∑ Ci** ≤ 106
* 1 ≤ **I** ≤ **∑ Ci**

**SAMPLE INPUT**

2

2 3

2

2

4

**SAMPLE OUTPUT**

1

2

**Explanation**

First Box will have the indexes : 1, 2   
Second Box will have the indexes : 3, 4, 5