

Attractive Subsequence

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You receive a sequence S of non-negative integers numbers. Your task is calculate the total of Attractive Subsequences. An Attractive Subsequences is a subsequence of consecutive elements in S that the sum of the elements in it is equal to the value K . For example, consider the sequence $S = \langle 0, 0, 25, 0, 0, 25 \rangle$ and the value $K = 25$, there are 12 Attractive Subsequences, these are represented with ordered pairs (ind_1, ind_2) , ind_1 is the position of the first element and ind_2 is the position of the last element in the original sequence S . In this representation the Attractive Subsequences are: $(1, 3)$, $(1, 4)$, $(1, 5)$, $(2, 3)$, $(2, 4)$, $(2, 5)$, $(3, 3)$, $(3, 4)$, $(3, 5)$, $(4, 6)$, $(5, 6)$ and $(6, 6)$.

Input Format

The input contains three lines, the first line contains two positive integers N ($1 \leq N \leq 10^5$) and Q ($1 \leq Q \leq 10^2$), the number of elements in the sequence S and the number of queries respectively. The next line contains N non-negative integers S_i ($0 \leq S_i \leq 10^3$). The next line contains Q positive integers numbers K_j ($1 \leq K_j \leq 10^7$), for the queries of the attractive subsequences.

Constraints

$$1 \leq N \leq 10^5$$

$$1 \leq Q \leq 10^2$$

$$0 \leq S_i \leq 10^3$$

$$1 \leq K_j \leq 10^7$$

Output Format

For case you must print Q space-separated integers numbers in a single line, one per query, with the total of the attractive subsequences.

Sample Input 0

```
6 2
0 0 25 0 0 25
25 50
```

Sample Output 0

```
12 3
```

Sample Input 1

```
7 3
1 6 5 2 3 4 7
7 5 11
```

Sample Output 1

```
4 2 2
```

[f](#) [t](#) [in](#)

Submissions: 51

Max Score: 100

Difficulty: Medium

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C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     return 0;
10 }
```

Line: 1 Col: 1

[Upload Code as File](#)☐ Test against custom input

Run Code

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