**Sparse Arrays**

There is a collection of input strings and a collection of query strings. For each query string, determine how many times it occurs in the list of input strings.

For example, given input  and , we find  instances of ',  of '' and  of ''. For each query, we add an element to our return array, .

**Function Description**

Complete the function *matchingStrings* in the editor below. The function must return an array of integers representing the frequency of occurrence of each query string in *strings*.

matchingStrings has the following parameters:

* *strings* - an array of strings to search
* *queries* - an array of query strings

**Input Format**

The first line contains and integer , the size of .   
Each of the next  lines contains a string .   
The next line contains , the size of .   
Each of the next  lines contains a string .

**Output Format**

Return an integer array of the results of all queries in order.

**Sample Input 0**

4

aba

baba

aba

xzxb

3

aba

xzxb

ab

**Sample Output 0**

2

1

0

**Explanation 0**

Here, "*aba*" occurs twice, in the first and third string. The string "*xzxb*" occurs once in the fourth string, and "*ab*" does not occur at all.

**Sample Input 1**

3

def

de

fgh

3

de

lmn

fgh

**Sample Output 1**

1

0

1