**Title**

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**Sparse Arrays**

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**Description**

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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. Return an array of the results.

**Example**

strings = ['ab', 'ab', 'abc']

queries = ['ab', 'abc', 'bc']

There are 2 instances of 'ab', 1 of 'abc' and 0 of 'bc'. For each query, add an element to the return array, result = [2, 1, 0].

**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:**

string strings[n] - an array of strings to search

string queries[q] - an array of query strings

**Returns**

int[q]: an array of results for each query

**Input Format**

The first line contains an integer n, the size of strings[].

Each of the next n lines contains a string strings[i] .

The next line contains q, the size of queries[] .

Each of the next q lines contains a string queries[i].

**Constraints**

1 <= n <= 1000

1 <= q <= 1000

1 <= |strings[i]|,|queries[i]| <= 20

**Sample Input**

4

aba

baba

aba

xzxb

3

aba

xzxb

ab

**Sample Output**

2

1

0

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**Code**

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package main

import (

    "fmt"

)

func main(){

    strings := []string{"aba", "baba", "aba", "xzxb"}

    queries := []string{"aba", "xzxb", "ab"}

    res := matchingStrings(strings, queries)

    fmt.Println(res)

}

func matchingStrings(stringsArr []string, queries []string) []int32 {

    var arr []int32

    m := make(map[string]int32)

    for \_,v := range stringsArr{

        m[v]++

    }

    for \_, k := range queries{

        arr = append(arr, m[k])

    }

    return arr

}

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