**Frequency Query**

A group of friends are taking a poll and need your help tallying up the most popular results!

They need you to write a program that takes a given word that everyone voted for, then given a certain number of queries, which you must then output the number of votes for that given query.

**Input:** The first line of input denotes **V**, the number of votes. The next **V** lines contain one word each which indicate the vote. The line after that contains one integer **Q**, the number of queries you will be searching for. The next **Q** lines contains one word each, which will be the query

**Output:** You will first output “Query #(query number): “ followed by the number of votes for that query.

**Example Input:**

4

aba

baba

aba

xzxb

3

aba

xzxb

ab

**Example Output:**

Query #1: 2

Query #2: 1

Query #3: 0