



## Problem: Week 4 - Store & Search String

### Description

A database contains a sequence of key  $k_1, k_2, \dots, k_n$  which are strings ( $1 \leq n \leq 100000$ ). Perform a sequence of actions of two kinds:

- find  $k$ : find and return 1 if  $k$  exists in the datab  and return 0, otherwise
- insert  $k$ : insert a key  $k$  into the database and return 1 if the insertion is successful ( $k$  does not exist in the database) and return 0 if the insertion is failed ( $k$  exists in the database)

Note that the length of any key is greater than 0 and less than or equal to 50.

### Input

Two blocks of information. The first block contains a key of  $(k_1, k_2, \dots, k_n)$  in each line. The first block is terminated with a line containing \*. The second block is a sequence of actions of two finds described above: each line contains 2 string: cmd and  $k$  in which cmd = find or insert and  $k$  is the key (parameter of the action). The second block is terminated with a line containing \*\*\*. Note that the number of actions can be up to 100000.

### Output

Each line contains the result (0 or 1) of the corresponding action.

### Example

#### Input

computer

university

school

technology

phone

\*

find school

find book

insert book

find algorithm

find book

insert book

\*\*\*

### Output

1

0

1

0

1

0

### Sample TestCase

C 17



1 Write your Source code here

## Source code

C 17



```
1 //C
2 #include <stdio.h>
3
4 int main()
5 {
6
7 }
```

SUBMIT CODE

Currently, this contest problem is not open for submissions

Or

C 17

Select file

SUBMIT

🔍 Tìm kiếm

✕ ↺

ID	Bài tập	Trạng thái	Message	Điểm
<a href="#">c6ac53</a>	STORE_SEARCH_STRING	Failed		0
<a href="#">430972</a>	STORE_SEARCH_STRING	Accept		100
<a href="#">25094c</a>	STORE_SEARCH_STRING	Failed		0
<a href="#">098612</a>	STORE_SEARCH_STRING	Failed		0

ID	Bài tập	Trạng thái	Message	Điểm
5 hàng  < < 1-4 của 4 > >				