## Search III

(dictionary.cpp/c)

Time Limit: 2 sec , Memory Limit: 131072 KB

Your task is to write a program of a simple *dictionary* which implements the following instructions:

- insert str: insert a string str in to the dictionary
- find str. if the distionary contains str, then print 'yes', otherwise print 'no'

### Input (dictionary.in)

In the first line n, the number of instructions is given. In the following n lines, n instructions are given in the above mentioned format.

### Output (dictionary.out)

Print yes or no for each find instruction in a line.

#### Constraints

- A string consists of 'A', 'C', 'G', or 'T'
- 1 ≤ length of a string ≤ 12
- *n* ≤ 1000000

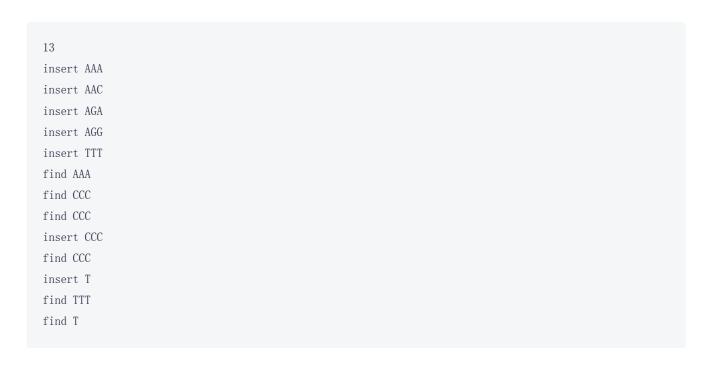
## Sample Input 1

```
insert A
insert T
insert C
find G
find A
```

### Sample Output 1

```
no
yes
```

#### Sample Input 2



# Sample Output 2

