

```
#include <iostream>
#include <cstring>
#include <cstdio>

using namespace std;

int color[100000000];
int tree[100000000][30];
int num[100000000];

int k = 1;

void insert(char* w)
{
    int len = strlen(w);
    int p = 0;
    for (int i = 0; i < len; i++)
    {
        int c = w[i] - 'a';
        if (!tree[p][c])
        {
```

```
        tree[p][c] = k;
        k++;
    }
    p = tree[p][c];
    num[p]++;
}
color[p] = 1;
}
```

```
int search(char* s)
{
    int len = strlen(s);
    int p = 0;
    for (int i = 0; i < len; i++)
    {
        int c = s[i] - 'a';
        if (!tree[p][c])
        {
            return 0;
        }
        p = tree[p][c];
    }
}
```

```
    return num[p];  
  
}  
  
int main()  
{  
    char w[15];  
    while (gets(w) && strcmp(w, "") != 0)  
    {  
        insert(w);  
    }  
  
    while (cin >> w)  
    {  
        cout << search(w) << endl;  
    }  
    return 0;  
}
```