#include <iostream>

#include <cstring>

#include <cstdio>

using namespace std;

int color[10000000];

int tree[10000000][30];

int num[10000000];

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;

}