#include <iostream>

#include <string>

using namespace std;

bool Is\_letter(char x)

{

if ((x >= 'A' && x <= 'Z') || (x >= 'a' && x <= 'z'))

return true;

else

return false;

}

int main()

{

string s, m;

int i;

while (true)

{

int k = 0, count = 0;

bool Is\_new\_word = true;

cout << "\n\nInput s: ";

getline(cin, s);

m = s;

if (s[0] == '\0') break;

i = 0;

while (s[i] != '\0')

{

for (; !Is\_letter(s[i]) && s[i] != '\0'; i++)

;

if (s[i] == '\0') break;

while (Is\_letter(s[i]) && s[i] != '\0')

{

if (s[i] == 'f' && count < 3 && Is\_new\_word)

{

k++;

Is\_new\_word = false;

}

i++;

}

count++;

Is\_new\_word = true;

}

if (k < 2)

{

count = 0;

i = 0;

while (s[i] != '\0')

{

for (; !Is\_letter(s[i]) && s[i] != '\0'; i++)

;

if (s[i] == '\0') break;

while (Is\_letter(s[i]) && s[i] != '\0')

{

if (s[i] == 'f' && count < 3)

{

while (Is\_letter(s[i]) && i > 0)

i--;

i++;

s[i] = 't';

s[i + 1] = 'r';

s[i + 2] = 'e';

s[i + 3] = 'e';

i += 3;

int j = i + 1;

while (Is\_letter(s[j]) && s[j] != '\0')

j++;

s.erase(i + 1, j - i - 1);

break;

}

i++;

}

count++;

}

}

cout << "\nYour s: " << m << endl;

cout << "Your new s: " << s << endl;

}

return 0;

}