2   Pattern Matcher

Background

So this guy walks in a bar, and there's this tiny man who plays a tiny piano... yadda yadda yadda, left as an exercise to the reader.

The Problem

Two strings, one of which contains special characters, must be matched against each other. The test string can contain all characters in the range A-Z (both lower and upper case), but no whitespace or delimiter or numerical characters. The joker string can additionally contain the following meta characters:

1. a '+' sign matches one occurence of any other character

2. a '*' sign matches a substring of arbitrary length.

The Input

The input consists of multiple test cases.

For every test case a text string pair, separated by a single blank, is given. The first string contains the test string, the second the joker string. You can assume that both strings conform to their specifications above.

Input is terminated by EOF.

The Output

The output gives for each of the input pairs the number of possible matches between the two strings each in a separate line.

Sample Input

```
abcde abcde
abcde +a*b+de
AB ***
```

Sample Output

```
1
0
6
```