# J: **Wildcards**

*Source file name:* `wildcards.c,` `wildcards.cpp,` *or* `wildcards.java`
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Alice and Bob are playing a game: Alice selects a text $t$ and a word $w$, and then Bob has to say how many times $w$ occurs in $t$. However, after a while, Alice realizes that this version of the game is too boring for Bob and decides to make a modification: in her new version of the game, the wildcard symbol '?' can occur in $w$ any number of times. Each occurrence of '?' in $w$ can be matched with any character in $t$.

In the new version of the game, for instance, if the text is $t =$ `banana` and the word is $w =$ `?a?`, then $w$ occurs twice in $t$: at position 0 matching `ban` and at position 2 matching `nan`. Notice that matches can overlap.

Can you write a program to help Bob solve this new game?

### Input

The input consists of several test cases, each one defined by two lines. The first line contains the text $t$ and the second line contains the word $w$. The text $t$ consists of lowercase letters from the English alphabet $(1 \leq |t| \leq 10^5)$, and the word $w$ consists of lowercase letters from the English alphabet and the wildcard character '?' $(1 \leq |w| \leq 10^5)$. It is guaranteed that there will be at most $k$ wildcard characters in $w$, where $0 \leq k \leq \min\left(|w|, 10^6/|t|\right)$.

*The input must be read from standard input.*

### Output

For each test case, print a line with one integer denoting the number of times $w$ appears in $t$ if each wildcard character matches any character in $t$.

*The output must be written to standard output.*

| Sample Input | Sample Output |
|---|---|
| banana | 2 |
| ?a? | 3 |
| bananas | 1 |
| ?a? | 0 |
| abide | 2 |
| a??d | 0 |
| abide | 8 |
| a?d | 0 |
| abracadabra | |
| a?a | |
| acisredis | |
| ?b | |
| acisredis | |
| ?? | |
| icpc | |
| world?finals | |