

String Transformation

Write a program to find the number of ways in which we can transform a wrong word to a correct word by removing zero or more characters from the wrong word.
Given: strings, i.e. S1 (for wrong word) and S2 (for correct word).

Example 1:

Input:

Indiiian - String S1, i.e. wrong word

Indian - String S2, i.e. correct word

Output:

3

Explanation:

The three ways will be "ind..ian", "indi..an" and "ind.i.an"
"." is where a character is removed.

Example 2:

Input:

ggoog - String S1, i.e. wrong word

go - String S2, i.e. correct word

Output:

4

Explanation:

The four ways will be "g.o..", "g..o.", ".go.." and ".g.o."
"." is where characters are removed.

Example 3:**Input:**

indian - String S1, i.e. wrong word

indian - String S2, i.e. correct word

Output:

0

Explanation:

Both the input strings are identical hence, the output will be 0.

Input Format:

Two strings (separated by a new line) taken from the user.

Output Format:

A single integer value.

If both strings, i.e. S1 and S2, are identical, then print 0.