Overview

When semi-classified documents are shared with the general public, confidential or classified information is redacted. This means that it is replaced by other obscuring data; in the movie *Hidden Figures*, an engineer tries to redact confidential data by blacking it out with a sharpie. This is foiled when the heroine simply holds the sheet up to a bright light and reveals the hidden data. In this problem, you will redact data in a manner that, while insecure, is at least better than the one from the movies!

Problem

In this problem, you will be given two strings – the first represents the entire classified document and the second represents the string to be redacted. Each occurrence of the second string found within the first string is to be replaced by an equivalent number of asterisks. You needn’t worry about “revealed occurrences”, i.e. situations where the second string “appears” only after a previous redaction (see Example 2). Redactions ARE case sensitive.

Input

The input to this problem consists of two lines of text. Each will contain between 1 and 1024 characters. The second string will not contain any asterisks.

Output

The output is a single line of text representing the redacted document.
Example 1

**Input**

David and Jim met at David’s house.
David

**Output**

***** and Jim met at *****’s house.

Example 2

**Input**

Red fun is rereedd fun? Yes, and so is redred.
red

**Output**

Red fun is re***d fun? Yes, and so is *****.

About TESTING PROBLEMS

YOU ARE NOT TO WRITE A SOLUTION TO THIS PROBLEM!!!!

Rather, a flawed solution to this problem exists on the web page referenced by the submission program on your desktop. You must determine an input set for which our solution gives the wrong answer. You will also need to supply the correct output for the input that you submit. Once you have determined these, you must fill in the fields on the web page and submit your answer.