15 Not-allowed-entry-charset 6 points

Introduction

An online Web form includes a section for entering freeform text. However, there are some characters or numbers that cannot be inserted into our back-end database. To solve this problem, we need you to create a program that, given a string and a not-allowed character set, will remove all occurrences of the not-allowed literal characters from the entry of the user string.

Input

The input will consist of two lines: <the given string> <the not-allowed-entry-char-set>

Output

Print out the original given string after removing the not-allowed-entry-charset.

Example 1

Input

12345678 3456

Output

1278

Example 2

Input

87654321 346

Output

87521

