Prefixes and suffixes   P33597_en

Dotzè Concurs de Programació de la UPC - Semifinal (2014-07-02)

Given two strings s and t, print the maximum k such that the prefix of length k of s is equal to the suffix of length k of t.

Input

Input consists of several cases, each one with s and t. Every string is made up of between 1 and 10^6 lowercase letters.

Output

For every case, print k.

Sample input	Sample output
a b	0
z z	1
barbacoa acabar	3
cabar abacar	0
cabar acabat	0
cabar acabar	5
abacad ababa	3
acad academiacad	4

Problem information

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