Longest common substring (value)

1 second, 256MB

You are given two strings **S** and **T** consists of capital letters of length at most 200 characters. You want to find the longest common substring of **S** and **T**.

In this task you only need to output the length of the longest common substring.

Input

There are two lines. The first line contains S and the second line contains T.

Output

You have to output a single integer, the length of the longest common substring.

Example 1

Input	Output
AABBCDEF ABECEF	5

Example 2

Input	Output
AAABBBABCABC AABACABCEDF	8