Longest Common subsequence

Time Limit: 1 seconds

Problem Description

Find the longest length of any common subsequence of two given sequences.

Input File Format

There are several test data. Each test data contains two lines, and each line contains a string (sequence) of English letters. The length of each string is at most 500.

Output Format

Output the length of LCS of each test data in one line.

Example

Sample Input	Sample Output
ABCD BACD XXX YYY	3 0