**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 |