URI Online Judge | 1237

**Compare Substring**

By TopCoder\* https://urionlinejudge.r.worldssl.net/gallery/images/flags/us.gif USA

**Timelimit: 1**

Find the longest common substring between the two informed Strings. The substring can be any part of the String, including the entire String. If there is no common substring, return 0. The search is *case sensitive* ('x' != 'X').

**Input**

The input contains several test cases. Each test case is composed by two lines that contains a string each. Both input Strings will contain between 1 and 50, inclusive, letters (a-z, A-Z), and/or spaces.

**Output**

The length of the longest common substring between the two Strings.

| **Sample Input** | **Sample Output** |
| --- | --- |
| abcdef cdofhij TWO FOUR abracadabra open Hey This java is hot Java is a new paradigm | 2 1 0 7 |

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<https://www.urionlinejudge.com.br/judge/es/problems/view/1237>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

while (true)

{

string a = Console.ReadLine();

string b = Console.ReadLine();

if (a == null && b == null)

{

break;

}

int max\_len = 0;

for (int i = 0; i < b.Length; i++)

{

for (int j = i; j < b.Length; j++)

{

if (a.Contains(b.Substring(i, j - i + 1)))

{

max\_len = Math.Max(max\_len, j - i + 1);

}

else

{

break;

}

}

}

Console.WriteLine(max\_len);

}

Console.ReadLine();

}

}

}