Given two strings s1 and s2, merge them into one string by overlapping the suffix of the first string and the prefix of the second string. If there's nothing to concatenate, return the concatenation of the strings.

**Example**

For s1 = "cesario" and s2 = "oputera", the output should be  
singkatan(s1, s2) = "cesarioputera".

The strings overlap by the character 'o', making the answer "cesarioputera".

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] string s1**

A string consisting of lowercase English letters.

*Guaranteed constraints:*  
1 ≤ s1.length ≤ 1000.

* **[input] string s2**

A string consisting of lowercase English letters.

*Guaranteed constraints:*  
1 ≤ s2.length ≤ 1000.

* **[output] string**

The input strings, merged as described above.

<https://codefights.com/challenge/fLsRtAmnjFgq8u5zG?utm_source=emailNotification&utm_medium=email&utm_campaign=featuredChallenge>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string singkatan(string s1, string s2)

{

string suffix = "";

string p1 = "", p2 = "";

for (int i = 0; i < s1.Length; i++)

{

string sub = s1.Substring( i);

//Console.WriteLine(sub);

if (s2.StartsWith(sub))

{

suffix = sub;

p1 = s1.Substring(0, i);

p2 = s2.Substring(sub.Length);

break;

}

}

// Console.WriteLine(p1 + " " + suffix + " " + p2);

//Console.WriteLine(suffix);

if (suffix.Length == 0)

{

return s1 + s2;

}

return p1 + suffix + p2 ;

}

static void Main(string[] args)

{

//string s1 = "cesario";

//string s2 = "oputera";

//string s1= "abc";

//string s2 = "def";

string s1= "abc";

string s2 = "ab";

Console.WriteLine( singkatan(s1, s2));

Console.ReadLine();

}

}

}

---------SOLUCION POR PETIFA74-----------

int j;

string singkatan(string s, string t)

{

while (!t.StartsWith(s.Substring(j)))

j++;

return s.Substring(0, j) + t;

}