You are given two strings s and tof the same length, consisting of uppercase English letters. Your task is to find the minimum number of *"replacement operations"* needed to get some [anagram](keyword://anagram" \t "_blank) of the string tfrom the string s. A replacement operation is performed by picking exactly one character from the string s and replacing it by some other character.

Example

* For s = "AABAA" and t = "BBAAA", the output should be  
  createAnagram(s, t) = 1;
* For s = "OVGHK" and t = "RPGUC", the output should be  
  createAnagram(s, t) = 4.

Input/Output

* **[execution time limit] 3 seconds (cs)**
* **[input] string s**

*Guaranteed constraints:*  
5 ≤ s.length ≤ 35.

* **[input] string t**

*Guaranteed constraints:*  
t.length = s.length.

* **[output] integer**
  + The minimum number of replacement operations needed to get an anagram of the string t from the string s.

<https://app.codesignal.com/challenge/fgc6Y28ctPHWsNE3h>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static Dictionary<char, int> cargarDic(string s)

{

Dictionary<char, int> dic = new Dictionary<char, int>();

foreach (char ch in s)

{

if (dic.ContainsKey(ch)) dic[ch]++;

else dic[ch] = 1;

}

return dic;

}

static int createAnagram(string s, string t)

{

Dictionary<char, int> ds = cargarDic(s);

Dictionary<char, int> dt = cargarDic(t);

int comun = 0;

foreach (KeyValuePair<char, int> kvp in ds)

{

if (dt.ContainsKey(kvp.Key))

{

comun += Math.Min(dt[kvp.Key], kvp.Value);

}

}

return s.Length - comun;

}

static void Main(string[] args)

{

//string s = "OVGHK";

//string t = "RPGUC";

string s= "AABAA";

string t = "BBAAA";

Console.WriteLine(createAnagram(s, t));

//1

Console.ReadLine();

}

}

}