When you recently visited your little nephew, he told you a sad story: there's a bully at school who steals his lunch every day, and locks it away in his locker. He also leaves a note with a strange, coded message. Your nephew gave you one of the notes in hope that you can decipher it for him. And you did: it looks like all the digits in it are replaced with letters and vice versa. Digit 0 is replaced with 'a', 1 is replaced with 'b' and so on, with digit 9 replaced by 'j'.

The note is different every day, so you decide to write a function that will decipher it for your nephew on an ongoing basis.

Example

For note = "you'll n4v4r 6u4ss 8t: cdja", the output should be  
stolenLunch(note) = "you'll never guess it: 2390".

Input/Output

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

A string consisting of lowercase English letters, digits, punctuation marks and whitespace characters (' ').

*Guaranteed constraints:*  
0 ≤ note.length ≤ 500.

* **[output] string**
  + The deciphered note.

**[C#] Syntax Tips**

// Prints help message to the console

// Returns a string

**string** **helloWorld**(**string** name) {

Console.Write("This prints to the console when you Run Tests");

**return** "Hello, " + name;

}

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

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp2

{

class Program

{

//static int MinimumRemove(int[] arr)

//{

// int max = arr.Max();

// int[] count = new int[max + 1];

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

// {

// }

//}

static string stolenLunch(string note)

{

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

int j = 0;

for (char ch = 'a'; ch <= 'j'; ch++)

{

dic[char.Parse(j.ToString())] = ch;

dic[ch] = char.Parse(j.ToString());

j++;

}

string res = "";

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

{

if (dic.ContainsKey(note[i]))

{

res += dic[char.Parse(note[i].ToString())];

}

else

{

res += note[i];

}

}

return res;

}

static void Main(string[] args)

{

string note = "you'll n4v4r 6u4ss 8t: cdja";

// "you'll never guess it: 2390"

Console.WriteLine(stolenLunch(note));

Console.ReadLine();

}

}

}