**Correct the mistakes of the character recognition software**

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C#

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Character recognition software is widely used to digitise printed texts. Thus the texts can be edited, searched and stored on a computer.

When documents (especially pretty old ones written with a typewriter), are digitised character recognition softwares often make mistakes.

Your task is correct the errors in the digitised text. You only have to handle the following mistakes:

S is misinterpreted as 5

O is misinterpreted as 0

I is misinterpreted as 1

The test cases contain numbers only by mistake.

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp99

{

class Program

{

public static string Correct(string text)

{

char[] ch = text.ToCharArray();

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

{

if (ch[i] == '5')

{

ch[i] = 'S';

}

if (ch[i] == '0')

{

ch[i] = 'O';

}

if (ch[i] == '1')

{

ch[i] = 'I';

}

}

return new string(ch);

}

static void Main(string[] args)

{

}

}

}