URI Online Judge | 1239

**Bloggo Shortcuts**

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**Timelimit: 1**

You are helping to develop a weblog-management system called bloggo. Although bloggo pushes all content to the front end of a website in HTML, not all content authors enjoy using HTML tags in their text. To make their lives easier, bloggo offers a simple syntax called *shortcuts* to achieve some HTML textual effects. Your job is to take a document written with shortcuts and translate it into proper HTML.

One shortcut is used to make italicized text. HTML does this with the <i> and </i> tags, but in bloggo, an author can simply enclose a piece of text using two instances of the underscore character, '\_'. Thus, where a content author writes

You \_should\_ see the baby elephant at the zoo!

bloggo will publish the following instead.

You <i>should</i> see the baby elephant at the zoo!

Another shortcut serves to render text in boldface, which HTML accomplishes with <b> and </b> tags. Bloggo lets content authors do the same with paired instances of the asterisk character, '\*'. When a content author writes the text

Move it from \*Receiving\* to \*Accounts Payable\*.

it will end up on the website as

Move it from <b>Receiving</b> to <b>Accounts Payable</b>.

**Input**

The input contains several test cases. Each test case is composed by one line that contais a string **text**, containing zero or more usages of the italic and boldface shortcuts. Each **text** is between 1 and 50 characters long, inclusive. The only characters allowed in **text** are the alphabetic characters 'a' to 'z' and 'A' to 'Z', the underscore '\_', the asterisk '\*', the space character, and the punctuation symbols ',', ';', '.', '!', '?', '-', '(', and ')'. The underscore '\_' occurs in **text** an even number of times. The asterisk '\*' occurs in **text** an even number of times. No substring of **text** enclosed by a balanced pair of underscores or by a balanced pair of asterisks may contain any further underscores or asterisks.   
  
The end of input is determined by EOF.

**Output**

Translate each input **text** into HTML as demonstrated by the examples above (and below). To render a span of text in italics in HTML, you must start with the <i> tag and end with the </i> tag. For boldface text, start with <b> and end with </b>. Print one **translated text** per line at standard output.

| **Sample Input** | **Sample Output** |
| --- | --- |
| You \_should\_ see the new walrus at the zoo! Move it from \*Accounts Payable\* to \*Receiving\*. I saw \_Chelydra serpentina\_ in \*Centennial Park\*. \_ \_ \_\_ \_ yabba dabba \_ \* dooooo \* \*\*\*\* \_now\_I\_know\_\*my\*\_ABC\_next\_time\_\*sing\*it\_with\_me | You <i>should</i> see the new walrus at the zoo! Move it from <b>Accounts Payable</b> to <b>Receiving</b>. I saw <i>Chelydra serpentina</i> in <b>Centennial Park</b>. <i> </i> <i></i> <i> yabba dabba </i> <b> dooooo </b> <b></b><b></b> <i>now</i>I<i>know</i><b>my</b><i>ABC</i>next<i>time</i><b>sing</b>it<i>with</i>me |

<https://www.urionlinejudge.com.br/judge/es/problems/view/1239>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string BloggoShortcuts(string S)

{

string res = "";

bool guionBajo = false;

bool asterisco = false;

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

{

if (S[i] == '\_')

{

if (guionBajo)

{

res += "</i>";

guionBajo = false;

}

else

{

res += "<i>";

guionBajo = true;

}

}

else if (S[i] == '\*')

{

if (asterisco)

{

res += "</b>";

asterisco = false;

}

else

{

res += "<b>";

asterisco = true;

}

}

else

{

res += S[i];

}

}

return res;

}

static void Main(string[] args)

{

while (true)

{

string input = Console.ReadLine();

if (input == null)

{

break;

}

Console.WriteLine(BloggoShortcuts(input));

}

Console.ReadLine();

}

}

}