Given a string s containing only open and close parenthesis. What is the minimum number of parenthesis that needs to be flipped for the string to become a set of balanced parenthesis.

**Example**  
For s = "((", the output should be  
flipForBalance(s) = 1.

**Input/Output**

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

A string of even non-empty length containing only '(' and ')'.

*Guaranteed constraints:*  
2 ≤ s.length < 50.

* **[output] integer**

The minimum number of parenthesis that needs to be flipped.

**[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://codefights.com/challenge/NCrbg6acyZRxGEktr/solutions>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp23

{

class Program

{

static int flipForBalance(string s)

{

bool[] marcas = new bool[s.Length];

int flips = 0;

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

{

if(s[i] == ')' && !marcas[i])

{

flips++;

marcas[i] = true;

bool encontro = false;

for(int j =i+1; j<s.Length; j++)

{

if(s[j] == ')' && !marcas[j])

{

encontro = true;

marcas[j] = true;

break;

}

}

if(encontro)

{

continue;

}

// bool abierto = false;

for (int j = i + 1; j < s.Length; j++)

{

if (s[j] == '(' && !marcas[j])

{

// abierto = true;

marcas[j] = true;

flips++;

break;

}

}

}

else if(s[i] == '(' && !marcas[i])

{

marcas[i] = true;

bool encontro = false;

for(int j =i+1; j<s.Length; j++)

{

if(s[j] == ')' && !marcas[j])

{

marcas[j] = true;

encontro = true;

break;

}

}

if(encontro)

{

continue;

}

for (int j = i + 1; j < s.Length; j++)

{

if (s[j] == '(' && !marcas[j])

{

flips++;

marcas[j] = true;

break;

}

}

}

}

return flips;

}

static void Main(string[] args)

{

//string s = ")))(";

//string s = ")))))";

//string s = "((((((((((((((((((((((((((((((((((((((((";

string s = "))))((";

//string s = "()()()()";

Console.WriteLine(flipForBalance(s));

Console.ReadLine();

}

}

}