Given two numbers n and m, find their *digital average*.

The *digital average* can be calculated only if all digits in their sum are even. To obtain the *digital average*, each digit of this sum should be divided by 2.

If the *digital average* cannot be calculated, return-1 instead.

**Example**

For n = 273 and m = 415, the output should be  
middleNumber(n, m) = 344.

n + m = 688. 6 / 2 = 3, and 8 / 2 = 4. Thus, the answer is 344.

This is my first challenge. Please have fun!

* **[time limit] 3000ms (cs)**
* **[input] integer n**

*Constraints:*  
1 ≤ n ≤ 500.

* **[input] integer m**

*Constraints:*  
1 ≤ m ≤ 500.

* **[output] integer**

An integer value which is a middle number of the two given integer else -1 is returned.

<https://codefights.com/challenge/2c7Jcq5H2FM9RbQ77/main?utm_source=featuredChallenge&utm_medium=email&utm_campaign=email_notification>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static int middleNumber(int n, int m)

{

string ans = "";

int sum = n + m;

string s = sum.ToString();

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

{

string elem = s[i].ToString();

int dig = int.Parse(elem);

if (dig % 2 != 0)

{

return -1;

}

ans += (dig / 2).ToString();

}

return int.Parse(ans);

}

static void Main(string[] args)

{

Console.WriteLine( middleNumber(273, 415) );

Console.ReadLine();

}

}

}