Given integers a and b, determine whether the following pseudocode results in an infinite loop

while a is not equal to b do

increase a by 1

decrease b by 1

**Example**

* For a = 2 and b = 6, the output should be  
  isInfiniteProcess(a, b) = false;
* For a = 2 and b = 3, the output should be  
  isInfiniteProcess(a, b) = true.

**Input/Output**

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

*Constraints:*  
0 ≤ a ≤ 20.

* **[input] integer b**

*Constraints:*  
0 ≤ b ≤ 20.

* **[output] boolean**

true if the pseudocode will never stop,false otherwise.

<https://codefights.com/arcade/code-arcade/at-the-crossroads/aFF9HDm2Rsti9j5kc>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static bool isInfiniteProcess(int a, int b)

{

if (a > b) return true;

if (a == b) return false;

if (a % 2 == 0 && b % 2 == 0)

{

return false;

}

if (a % 2 != 0 && b % 2 != 0)

{

return false;

}

return true;

}

static void Main(string[] args)

{

//while a is not equal to b do

// increase a by 1

// decrease b by 1

int a = 3 , b = 5;

int cont = 0;

while (a != b)

{

a++;

b--;

Console.WriteLine(a + " " + b);

cont++;

if (cont == 100)

{

break;

}

}

Console.ReadLine();

}

}

}