using System;

namespace Task1

{

public class Program

{

// Procedure that, when numbering pairs, by number produces a pair (row and column numbers)

public static void Main(string[] args)

{

while (true)

{

var number = 0;

var currentSum = 0;

var i = 1;

var j = 0;

// Enter the number

Console.Write("Enter the number: ");

number = Convert.ToInt32(Console.ReadLine());

// Find diagonal number

while (number > currentSum)

{

++j;

currentSum += j;

}

// Find wanted pair, moving down along the diagonal

if (currentSum != number)

{

while (number < currentSum)

{

currentSum--;

++i;

--j;

}

}

Console.WriteLine("i = " + i + ", j = " + j);

}

}

}

}