**Q11254: Consecutive Integers**

任何一個正整數都可以寫成連續整數的和。例如：

|  |  |  |
| --- | --- | --- |
| 15 | = | 1 + ... + 5 |
|  | = | 4 + ... + 6 |
|  | = | 7 + ... + 8 |
|  | = | 15 + ... + 15 |

給你一個正整數 n ，這些連續整數為何？如果有不只一組答案，請找出含有最多數字的那組。。

**Input**

輸入含有多組測試資料。每組測試資料一列，含有 1 個正整數  n （ 1 <= n <= 109）。

當輸入為 -1 時，代表輸入結束。請參考Sample Input。

**Output**

對每一組測試資料輸出一列，格式如下：

N = A + ... + B

請參考Sample Output。

|  |  |
| --- | --- |
| **Sample Input** | **Sample Output** |
| 8 15 35 34 12345 -1 | 8 = 8 + ... + 8 15 = 1 + ... + 5 35 = 2 + ... + 8 34 = 7 + ... + 10 12345 = 397+ ... + 426 |

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

FileOpen(1, "in1.txt", 1)

FileOpen(2, "out1.txt", 2)

Dim a, b, c, d, f As Long

a = LineInput(1)

Do Until a = -1

For i = 1 To a

For j = i To a

b = b + j

If b = a Then

c = i

d = j

Exit For

End If

Next

b = 0

If c <> 0 Then

Exit For

End If

Next

f = a

a = LineInput(1)

If a = -1 Then

Print(2, f & " = " & c & " + ... + " & d)

Else

PrintLine(2, f & " = " & c & " + ... + " & d)

End If

c = 0

b = 0

d = 0

f = 0

Loop

End Sub