Q11428:  Cubes

給 定一個正整數N，請你找出滿足下列公式的正整數(x, y)。

**N = x3 - y3**

**Input**

輸 入最多100列，每列一個整數N(0 < N <= 10000)，當N=0表測試資料結束。

**Output**

請 輸出每組測試資料的正整數x, y使等式 N = x3 - y3 成立，若無此正整數對，請輸出"No solution"，若有多組答案滿足公式，請輸出y最小的那一組。

**Sample Input                           Output for Sample Input**

|  |  |
| --- | --- |
| **7**  **37**  **12**  **0** | **2 1**  **4 3**  **No solution** |

中文翻譯轉載自：[Ruby 兔的ACM園地](http://rubyacm.blogspot.com/)

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 As Long

a = LineInput(1)

Do Until a = 0

For i = 1 To a

For j = 1 To a

If a = i ^ 3 - j ^ 3 Then

b = i

If j < c Or c = 0 Then

c = j

End If

End If

Next

Next

a = LineInput(1)

If b = 0 Then

If a = 0 Then

Print(2, "No solution")

Else

PrintLine(2, "No solution")

End If

Else

If a = 0 Then

Print(2, b & Space(1) & c)

Else

PrintLine(2, b & Space(1) & c)

End If

End If

b = 0

c = 0

Loop

End Sub