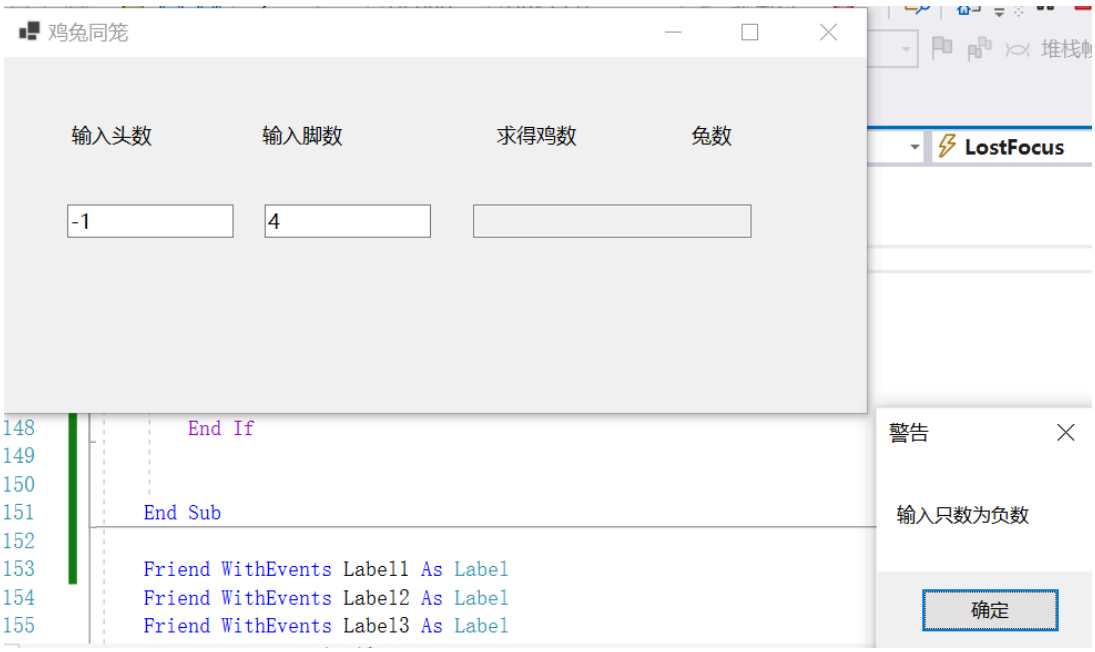
实验 1.2

一．运行结果

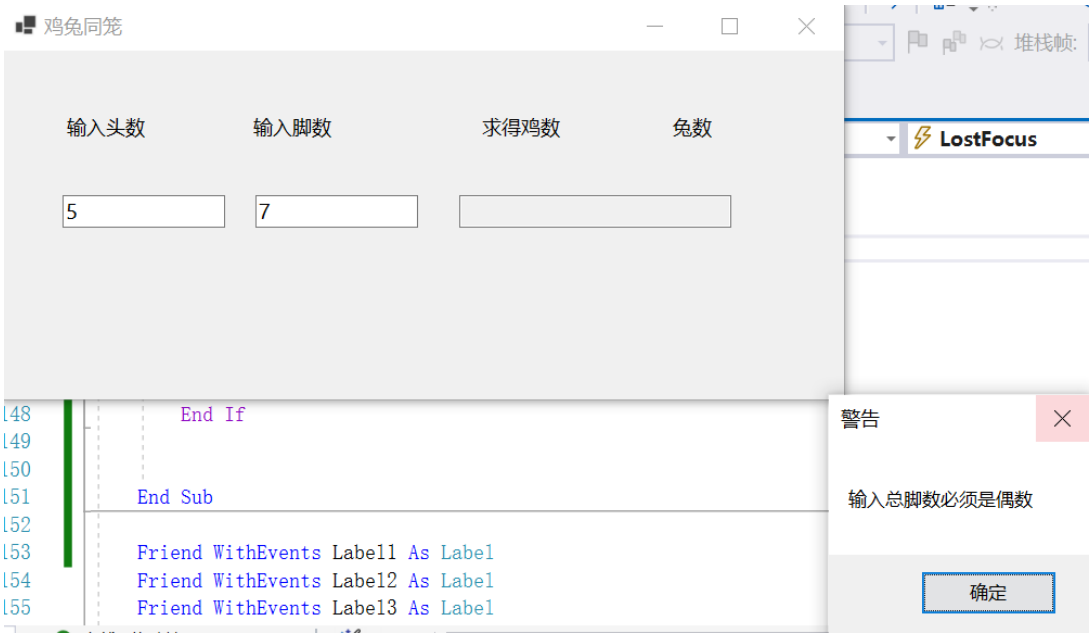
1. 正确输入

2. 错误输入

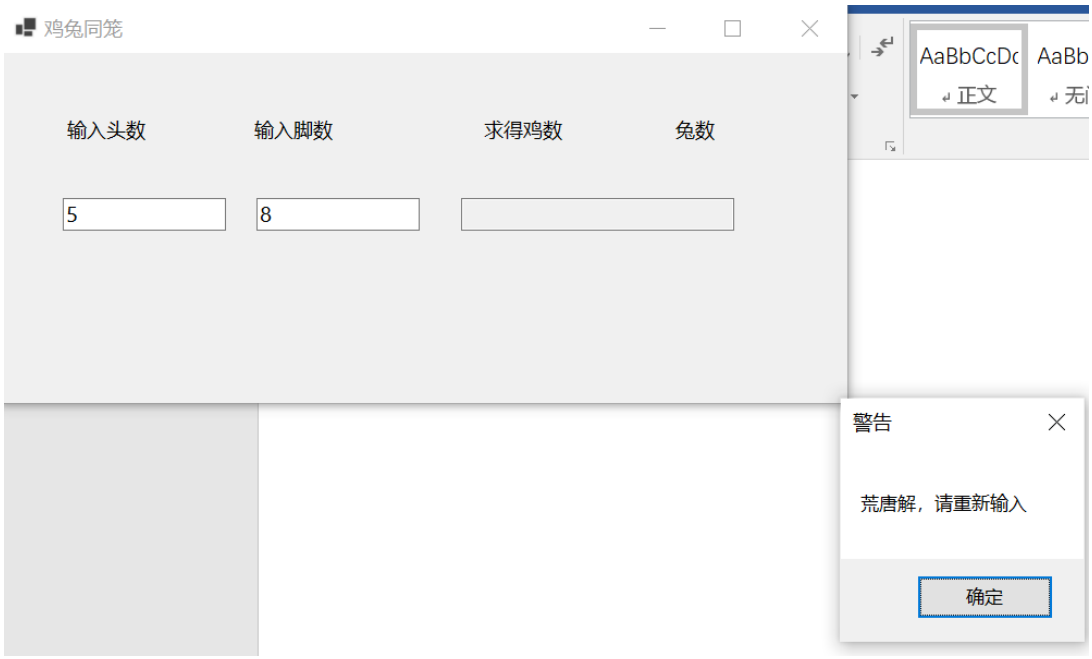
情况一：输入头数为负数



情况二：输入脚数为奇数



情况三：无法求解



二．代码说明

1. 设计鸡兔同笼求解函数

```
Public Function Solv(head As Integer, foot As Integer) As Integer
    Dim Rabit As Integer
    Rabit = (foot - head * 2) / 2
    Solv = Rabit
End Function

Private Sub TextBox2_LostFocus(sender As Object, e As EventArgs) Handles
TextBox2.LostFocus
```

```
        TextBox3.Focus()
    End Sub
```

2. 输入文本后进行判断

```
    Private Sub TextBox3_LostFocus(sender As Object, e As EventArgs) Handles
TextBox3.LostFocus
        Dim a%, b%, c%, d%, f%
        a = Val(TextBox2.Text)
        If a < 0 Then
            MsgBox("输入只数为负数",, "警告")
            TextBox2.Text = ""
            TextBox2.Focus()
        End If
        b = Val(TextBox3.Text)
        c = b Mod 2
        If c <> 0 Then
            MsgBox("输入总脚数必须是偶数",, "警告")
            TextBox3.Text = ""
            TextBox3.Focus()
        End If

        d = Solv(a, b)
        f = a - d

        If d > 0 And f > 0 Then
            TextBox4.Text = f & "                                ″ & d
        Else
            MsgBox("荒唐解，请重新输入",, "警告")
            TextBox2.Text = ""
            TextBox3.Text = ""
            TextBox2.Focus()
        End If


    End Sub

    Friend WithEvents Label1 As Label
    Friend WithEvents Label2 As Label
    Friend WithEvents Label3 As Label
    Friend WithEvents Label4 As Label
    Friend WithEvents TextBox2 As TextBox
    Friend WithEvents TextBox3 As TextBox
    Friend WithEvents TextBox4 As TextBox
```