实验 1.3
一 . 运行结果
1. 计算
(1) 两个实根

（2）重根

（3）两个复根

2. 清空

二．代码说明

1. 计算

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Dim a As Double
    Dim b As Double
    Dim c As Double
    Dim d As Double

    a = Val(TextBox1.Text)
    b = Val(TextBox2.Text)
```

```vb
        c = Val(TextBox3.Text)
        d = b ^ 2 - 4 * a * c
        If d > 0 Then
            TextBox4.Text = Format((-b + Math.Sqrt(d)) / (2 * a), "0.00")
            TextBox5.Text = Format((-b - Math.Sqrt(d)) / (2 * a), "0.00")
        ElseIf d = 0 Then
            TextBox4.Text = b / (2 * a)
            TextBox5.Text = "重根"
        Else
            TextBox4.Text = -b / (2 * a) & "+" & Format(Math.Sqrt(-d) / (2 * a), "0.00") & "i"
            TextBox5.Text = -b / (2 * a) & "-" & Format(Math.Sqrt(-d) / (2 * a), "0.00") & "i"
        End If

    End Sub
```

2. 清空

```vb
    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        TextBox1.Text = ""
        TextBox2.Text = ""
        TextBox3.Text = ""
        TextBox4.Text = ""
        TextBox5.Text = ""
    End Sub
```

3. 结束

```vb
    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
        End
    End Sub
```