每个人的思维逻辑都不一样.这是我写的代码,供参考:  
  
Sub 解方程(XiSu() As Double, Jie() As Double)  
  
 Dim BeiSu As Double  
 On Error GoTo err1  
   
 m = UBound(XiSu, 1) '行数  
 n = UBound(XiSu, 2) '列数  
 If n <> m + 1 Then  
 MsgBox "系数矩阵维数不正确!", , "注意"  
 Exit Sub  
 End If  
   
 For i = 0 To m  
 If XiSu(i, i) = 0 Then  
 MsgBox "系数矩阵的对角线系数不能有 0 ,请校对后重新输入!", , "注意"  
 Exit Sub  
 End If  
 Next  
   
 For i = 1 To m '行  
 For k = i To m '行  
 BeiSu = XiSu(k, i - 1) / XiSu(i - 1, i - 1)  
 For j = i - 1 To n '列数据处理  
 XiSu(k, j) = XiSu(k, j) - BeiSu \* XiSu(i - 1, j)  
 Next  
 Next  
 Next  
   
 For i = m - 1 To 0 Step -1  
 For k = i To 0 Step -1  
 BeiSu = XiSu(k, i + 1) / XiSu(i + 1, i + 1)  
 For j = i To n  
 XiSu(k, j) = XiSu(k, j) - BeiSu \* XiSu(i + 1, j)  
 Next  
 Next  
 Next  
   
 For i = 0 To m  
 Jie(i) = XiSu(i, n) / XiSu(i, i)  
 Next  
   
 Exit Sub  
err1:  
 If Err.Number = 11 Then  
 MsgBox "方程组无解,请校对系数。", , "提示"  
 Else  
 MsgBox Err.Description, , "提示"  
 End If  
End Sub   
  
Private Sub Command1\_Click()  
Dim suju() As Double, jie() As Double  
 n = Val(InputBox("请输入方程组元数（未知数个数）："))  
 ReDim suju(n - 1, n)  
 ReDim jie(n - 1)  
 For i = 0 To n - 1 '输入系数  
 For j = 0 To n  
 suju(i, j) = Val(InputBox("请输入方程系数：" & vbCrLf & "第" & i + 1 & "行,第" & j + 1 & "列:"))  
 Next  
 Next  
   
 Call 解方程(suju, jie)  
 Cls  
 For i = 0 To n - 1  
 Print "X" & i + 1 & "="; jie(i)  
 Next  
  
End Sub

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源代码如下：  
Dim a() As Double, b() As Double, nIs As Integer, nJs As Integer, p As Double, t As Double, d As Double  
Private Sub Form\_Click()  
Dim n As Integer, m As Integer  
m = 0  
n = Val(InputBox("输入线性方程组的阶数n"))  
'输入系数矩阵  
ReDim a(n, n) As Double  
Form1.Print "系数矩阵："  
For v = 1 To n  
 For w = 1 To n  
 a(v, w) = Val(InputBox("a(" & v & "," & w & ")"))  
 m = m + 1  
 Print a(v, w);  
 If m Mod n = 0 Then Print  
 Next w  
Next v  
Print  
Print "常数向量："  
ReDim b(n) As Double  
For v = 1 To n  
 b(n) = Val(InputBox(输入常数向量 & "b(" & v & ")"))  
 Print b(n);  
Next v  
'寻找最大值元素  
For k = 1 To n  
 t = 0#  
 For i = k To n  
 For j = k To n  
 d = Abs(a(i, j))  
 If a(i, j) > t Then  
 t = a(i, j)  
 nIs = i  
 nJs = j  
 End If  
 Next j, i  
'交换最大值元素行  
 If nIs <> k Then  
 For j = 1 To n  
 p = a(k, j)  
 a(k, j) = a(nIs, j)  
 a(nIs, j) = p  
 Next j  
 p = b(k)  
 b(k) = b(nIs)  
 b(nIs) = p  
 End If  
'交换最大值元素列  
 If nJs <> k Then  
 For i = 1 To n  
 p = a(i, k)  
 a(i, k) = a(i, nJs)  
 a(i, nJs) = p  
 Next i  
 End If  
'消元  
 For i = k + 1 To n  
 For j = 1 To n  
 a(i, j) = a(i, j) \* a(k, k) / a(i, k) - a(k, j)  
 Next j, i  
Next k  
'回代  
b(n) = b(n) / a(n, n)  
For i = n - 1 To 1 Step -1  
 t = 0  
 For j = i + 1 To n  
 t = t + a(i, j) \* b(j)  
 Next j  
 b(i) = (b(i) - t) / a(i, i)  
Next i  
Print "解得结果为："  
For i = 1 To n  
Print b(i);  
Next i  
End Sub  
  
Private Sub Form\_Load()  
Form1.AutoRedraw = True  
Print "单击窗体开始"  
End Sub

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