



ภาคผนวก

มหาวิทยาลัยพระนคร

## Program Leveling

Source code

Microsoft Excel Objects

### Sheet1 (Main)

Private Sub butExit\_Click()

Sheets("Help").Select

End Sub

Private Sub butInput\_Click()

InputForm.Show

End Sub

Private Sub CommandButton1\_Click()

Sheets("Credit").Select

End Sub

### Sheet2 (Credit)

Private Sub CommandButton1\_Click()

Sheets("adj").Select

Sheets("adj").Cells(33, 9).Select

Selection.Copy

' Range(Cells(8, 8), Cells(7 + 2 \* nx, 8)).Select

Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, \_

SkipBlanks:=Falsc, Transpose:=False

-----

Sheets("adj").Select

Sheets("adj").Copy Before:=Sheets(7)

Sheets("adj (2)").Select

Sheets("adj (2)").Name = "adj-x"

-----

```

Sheets("adj-x").Select
Dim n As Integer
Dim i As Integer
Dim j As Integer
Dim x As Integer
    x = 0
Dim value As Double
Dim value1 As Long
n = Sheets("Control").Cells(2, 2).value
''''''''''
Dim p As Integer
Dim c As Integer
Dim s As Integer
s = n
s = s + 2
p = Sheets("Control").Cells(5, 2).value
c = 10 + (5 * p)
Sheets("adj-x").Cells(s, 1).value = "NU0"
Sheets("adj-x").Cells(s, 2).value = Sheets("Nu_Loop-X").Cells(c, 17).value
Sheets("adj-x").Cells(s, 4).value = Sheets("Nu_Loop-X").Cells(c + 1, 13).value
''''''''''
x = x + c
For i = 1 To n - 1
j = Sheets("Control").Cells(5 + i, 2).value
x = x + 10 + (5 * j)
value = Sheets("Nu_Loop-X").Cells(x, 17).value
value1 = Sheets("Nu_Loop-X").Cells(x + 1, 13).value
Sheets("adj-x").Cells(2 + i, 2).value = value
Sheets("adj-x").Cells(2 + i, 4).value = value1
Next

```

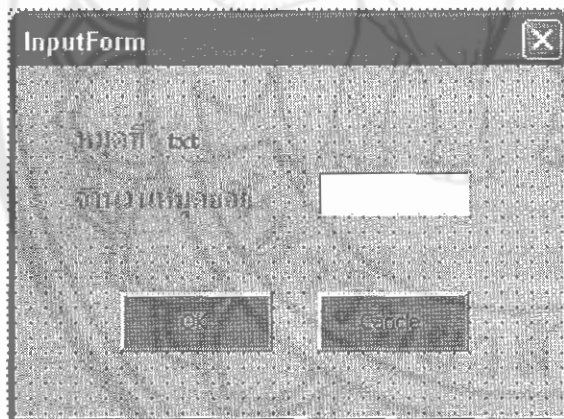
```
Dim k As Integer
Dim h As Integer
k = n + 3
For h = k To 103
Sheets("adj-x").Rows(k).Delete
Next
Sheets("adj-x").Cells(1, 1).Select
End Sub

Sheet3 (Adj)
Sheet4 (NU_Loop-0)
Sheet5 (Help)
Sheet6 (Control)
```

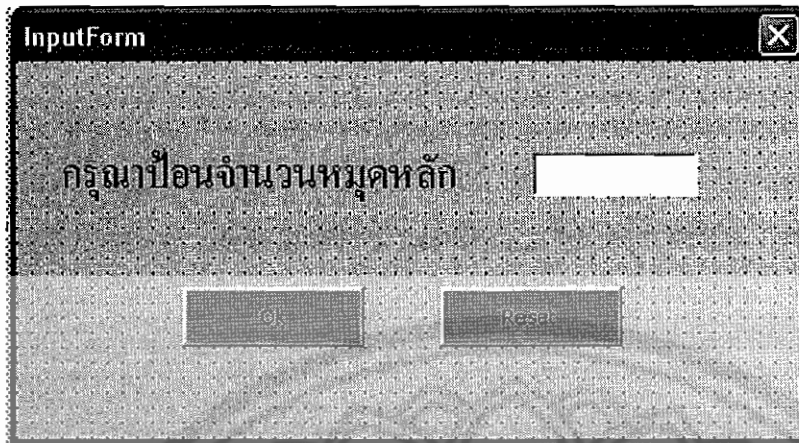
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Forms

Input2



InputForm



### Modules

#### Module1

Sub LevelingReset()

' LevelingReset Macro

' Macro recorded 10/16/2006 by Sasikorn

Range("A5").Select

Range(Selection, Selection.End(xlToRight)).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.ClearContents

Range("A5").Select

End Sub

Sub LevelingInput()

x = Range("B2").value

For i = 1 To x

Cells(4 + i, 1).value = i

Next i

Sheets("Control").Select

```

nx = Cells(2, 2).value
Sheets("ADJ").Select
Range("A5:H2000").Select
Selection.Clear
Range("A4:H4").Select
Selection.Copy
Range(Cells(4, 1), Cells(5 + 1 * nx - 2, 8)).Select
Call makeGridT
For i = 1 To nx
Next i
'-----
Sheets("Control").Select
nx = Cells(2, 2).value
Sheets("ADJ").Select
Range("A4:H4").Select
Selection.Copy
Range(Cells(4, 1), Cells(5 + 1 * nx - 2, 8)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
'-----
Sheets("Control").Select
ny = Cells(2, 2).value
Sheets("ADJ").Select
Range(Cells(4, 1), Cells(5 + 1 * ny - 2, 4)).Select
With Selection.Interior
    .ColorIndex = 40
    .Pattern = xlSolid
End With
Sheets("Control").Select
ny = Cells(2, 2).value

```

```

Sheets("ADJ").Select
Range(Cells(4, 3), Cells(5 + 1 * ny - 2, 3)).Select
With Selection.Interior
    .ColorIndex = 34
    .Pattern = xlSolid
End With
Sheets("Control").Select
ny = Cells(2, 2).value
Sheets("ADJ").Select
Range(Cells(4, 5), Cells(5 + 1 * ny - 2, 7)).Select
With Selection.Interior
    .ColorIndex = 34
    .Pattern = xlSolid
End With
Sheets("ADJ").Select
Range("K6:R7").Select
Selection.Copy
Sheets("ADJ").Select
Range(Cells(ny + 4, 1), Cells(ny + 4, 8)).Select
Selection.Insert Shift:=xlDown
-----
End Sub
Sub LevelingRun()
    x = Range("B2").value
    z = x
    y = 2
    For i = 1 To x
        z = z + Cells(4 + i, 2).value
    Cells(7, 8).Select
    Selction.Copy

```

```

Range(Cells(8, 8), Cells(7 + 2 * nx, 8)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Next i
'-----
Sheets("NU_loop-0").Select
Sheets("NU_loop-0").Copy Before:=Sheets(6)
Sheets("NU_loop-0 (2)").Select
Sheets("NU_loop-0 (2)").Name = "NU_loop-X"
'-----
Sheets("NU_loop-X").Select
ActiveSheet.Unprotect
Range("A2:AE6").Select
Selection.Copy
Range(Cells(7, 1), Cells(5 * z + 1, 31)).Select
Selection.Insert Shift:=xlDown
'-----
For j = 1 To x
  b = Sheets("Control").Cells(4 + j, 2).value
  For i = 1 To b
    y = y + 5
    Cells(y, 1).value = Replace("TP xx", "xx", i)
  Next i
  y = y + 5
  Cells(y, 1).value = Replace("NU xx", "xx", j)
Next j
Cells(y, 1).value = "NU 00"
'-----
Range(Cells(5 * z + 2, 1), Cells(5 * z + 6, 31)).Select
Selection.Copy

```



For j = x To 2 Step -1

b = Sheets("Control").Cells(4 + j, 2).value

y = y - 5 \* b - 5

Range(Cells(y, 1), Cells(y + 4, 31)).Select

Selection.Insert Shift:=xlDown

Cells(y, 1).value = Replace("NU xx", "xx", j - 1)

Cells(y + 1, 2).FormulaR1C1 = Replace("=SUM(R[-xx]C[16]:R[-2]C[16])", "xx", 5 \* b + 2)

Range(Cells(y + 1, 2), Cells(y + 1, 7)).Select

Selection.FillRight

Cells(y + 1, 10).FormulaR1C1 = Replace("=SUM(R[-xx]C[16]:R[-2]C[16])", "xx", 5 \* b +

2)

Range(Cells(y + 1, 10), Cells(y + 1, 15)).Select

Selection.FillRight

Range(Cells(y, 1), Cells(y + 4, 31)).Select

Selection.Copy

Next j

y = 5 \* z + 5 \* x + 2 - 5

b = Sheets("Control").Cells(4 + x, 2).value

Cells(y + 1, 2).FormulaR1C1 = Replace("=SUM(R[-xx]C[16]:R[-2]C[16])", "xx", 5 \* b + 2)

Range(Cells(y + 1, 2), Cells(y + 1, 7)).Select

Selection.FillRight

Cells(y + 1, 10).FormulaR1C1 = Replace("=SUM(R[-xx]C[16]:R[-2]C[16])", "xx", 5 \* b + 2)

Range(Cells(y + 1, 10), Cells(y + 1, 15)).Select

Selection.FillRight

ActiveSheet.Protect DrawingObjects:=True, Contents:=True, Scenarios:=True

Range("B3").Select

-----  
**Columns("A:A").Select**

**Selection.Copy**

**Columns("I:I").Select**

**Sheets("NU\_loop-0").Select**

**Application.CutCopyMode = False**

**Range("K18").Select**

**Sheets("NU\_loop-X").Select**

**ActiveWindow.SmallScroll Down:=-18**

**Range("A1").Select**

**Selection.Copy**

**Columns("A:A").Select**

**Application.CutCopyMode = False**

**Selection.Copy**

**Columns("I:I").Select**

**Application.CutCopyMode = False**

**ActiveSheet.Unprotect**

**Columns("A:A").Select**

**Selection.Copy**

**Columns("I:I").Select**

**ActiveSheet.Paste**  
 -----

**Range("G4").Select**

**ActiveSheet.Protect DrawingObjects:=False, Contents:=True, Scenarios:=**

**True, AllowFormattingCells:=True, AllowFormattingColumns:=True, \_**

**AllowFormattingRows:=True, AllowInsertingColumns:=True, AllowInsertingRows \_**

**:=True, AllowInsertingHyperlinks:=True, AllowDeletingColumns:=True, \_**

**AllowDeletingRows:=True, AllowSorting:=True, AllowFiltering:=True, \_**

**AllowUsingPivotTables:=True**  
 -----

```

    'InputBs.Show
    'InputFs.Show
End Sub
Sub Macro8()
'
' Macro8 Macro
' Macro recorded 10/16/2006 by Sasikom
'
    ActiveSheet.Unprotect
End Sub
Module2
Sub Macro1()
'
' Macro1 Macro
' áÁâãÄÅÏÛ;°Ñ¹·Ö; º ÇÑ¹·Öè 17/3/2007 á'Á com
'
'
Range("G4").Select
ActiveSheet.Protect DrawingObjects:=False, Contents:=True, Scenarios:= _
    True, AllowFormattingCells:=True, AllowFormattingColumns:=True, _
    AllowFormattingRows:=True, AllowInsertingColumns:=True, AllowInsertingRows _
    :=True, AllowInsertingHyperlinks:=True, AllowDeletingColumns:=True, _
    AllowDeletingRows:=True, AllowSorting:=True, AllowFiltering:=True, _
    AllowUsingPivotTables:=True
End Sub
Module3
Sub makeGridT()
Selection.Borders(xlDiagonalDown).LineStyle = xlNone
Selection.Borders(xlDiagonalUp).LineStyle = xlNone
With Selection.Borders(xlEdgeLeft)

```

```
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeTop)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeBottom)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeRight)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlInsideVertical)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlInsideHorizontal)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
End Sub
```