



ภาคผนวก

มหาวิทยาลัยราชภัฏสุรินทร์

ภาคผนวก

Source code

Sheet 1 เข้าสู่โปรแกรม

```

Sub เข้าสู่โปรแกรม()
Sheets("ป้อนข้อมูล").Select
End Sub
Sub ทิ้งกราฟ()
Sheets("กราฟ").Select
End Sub
Sub กลับไปยังหน้าเริ่มต้น()
Sheets("เข้าสู่โปรแกรม").Select
End Sub
Sub กลับไปข้อมูลที่ใส่()
Sheets("ข้อมูลที่ใส่").Select
End Sub
Sub เคลียร์ข้อมูล()
Range(Cells(11, 8), Cells(40000, 38)).Clear
Range("B3").Select
End Sub
Sub เคลียร์หัวตาราง()
n = Cells(11, 2).Value
For i = 1 To n
a = Cells(16 + i, 46)
Range(Cells(a - 5, 12), Cells(a - 5, 16)).Select
Selection.ClearContents
Range(Cells(a - 4, 13), Cells(a - 4, 13)).Select
Selection.ClearContents
Range(Cells(a - 4, 16), Cells(a - 4, 16)).Select
Selection.ClearContents
Range(Cells(a - 1, 8), Cells(a - 1, 9)).Select
Selection.ClearContents
Next i
Range("B3").Select
End Sub
Sub ใส่ข้อมูลBar()
n = Cells(11, 2).Value
With frmPbar
.pBar.Max = n
.pSub = "ใส่ข้อมูล"

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.Show
End With
End Sub
Private Sub ใส่ข้อมูล()
Dim i As Integer
Dim cMsg As String
n = Cells(11, 2).Value
frmPbar.ShowStatus 0, ""
Range(Cells(11, 8), Cells(40000, 38)).Clear
Range(Cells(11, 47), Cells(40000, 47)).Clear
Range(Cells(11, 49), Cells(40000, 53)).Clear
Range(Cells(6, 12), Cells(6, 16)).Select
Selection.ClearContents
Cells(7, 13).Select
Selection.ClearContents
Cells(7, 16).Select
Selection.ClearContents
Range(Cells(10, 8), Cells(10, 9)).Select
Selection.ClearContents
Columns("H:Q").Select
With Selection
.HorizontalAlignment = xlCenter
.Orientation = 0
.AddIndent = False
.IndentLevel = 0
.ShrinkToFit = False
.ReadingOrder = xlContext
End With
Selection.NumberFormat = "General"
If Range("B11") <= 0 Then
MsgBox "กรุณาใส่จำนวนจุดตั้งกล้องใหม่"
ElseIf Range("B11") <> Cells(16 + n, 2) Then
MsgBox "กรุณา กด ใส่จำนวนจุด TP"
ElseIf Cells(17, 3) <= 0 Then
MsgBox "กรุณาใส่จำนวนหมุด TP"
ElseIf Cells(16 + n, 3) <= 0 Then
MsgBox "กรุณาใส่จำนวนหมุด TP"
Else
For i = 1 To n
a = Cells(16 + i, 46)
t = Cells(16 + i, 3)
With Range(Cells(a, 11), Cells((a - 1) + 2 * t, 38)).Borders
.LineStyle = xlContinuous
.Weight = xlThin
End With
Range(Cells(a, 8), Cells(a + 2 * t - 1, 10)).Select
With Selection.Borders(xlEdgeTop)

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.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeLeft)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Selection.Borders(xlEdgeBottom)
.LineStyle = xlContinuous
.Weight = xlThin
.ColorIndex = xlAutomatic
End With
With Range(Cells(a, 12), Cells(a + 2 * t - 1, 17)).Interior
.ColorIndex = 36
End With
With Range(Cells(a, 11), Cells(a + 2 * t - 1, 11)).Interior
.ColorIndex = 15
End With
For j = 1 To t
v = Cells(11, 48).Value
Cells(a + 2 * j - 2, 11).Value = "L"
Cells(a + 2 * j - 1, 11).Value = "R"
Cells(a + 2 * j - 2, 47).Value = j
Cells(a + 2 * j - 2, 10).Value = Replace("TPxx", "xx", v + 1)
With Cells((a - 2) + (2 * j), 10).Interior
.ColorIndex = 15
End With
With Cells((a - 2) + (2 * j), 10).Borders
.LineStyle = xlContinuous
.Weight = xlThin
End With
With Range(Cells((a - 1) + (2 * j), 27), Cells((a - 1) + (2 * j), 38)).Interior
.ColorIndex = 34
End With
Next j
Rem: สูตรที่ใช้คำนวณ
Cells(11, 18).Formula = "=IF(AW11=0,"ยังไม่คำนวณ",IF(AX11=0,"ยังไม่
คำนวณ",IF(AY11=0,"ยังไม่คำนวณ",IF(AZ11=0,"ยังไม่คำนวณ",IF(BA11=0,"ยังไม่
คำนวณ",L11+M11/60*1+N11/3600))))))"
Cells(11, 18).Select
Selection.Copy
Range(Cells(a, 18), Cells(a + 2 * t - 1, 18)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False

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Cells(12, 19).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", AVERAGE(R11, IF(R12<180, R12+360, R12)-180))))))"
Range(Cells(11, 19), Cells(12, 19)).Select
Selection.Copy
Range(Cells(a, 19), Cells(a + 2 * t - 1, 19)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 20).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", ROUNDDOWN(S12,0))))))"
Range(Cells(11, 20), Cells(12, 20)).Select
Selection.Copy
Range(Cells(a, 20), Cells(a + 2 * t - 1, 20)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 21).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(T12=0, ROUNDDOWN((S12*60/1),0), ROUNDDOWN((MOD(S12, T12)*
60/1),0))))))"
Range(Cells(11, 21), Cells(12, 21)).Select
Selection.Copy
Range(Cells(a, 21), Cells(a + 2 * t - 1, 21)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 22).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(T12=0, ROUND((S12-U12/60)*3600,1), ROUND((MOD(S12, T12)-
U12/60)*3600,1))))))"
Range(Cells(11, 22), Cells(12, 22)).Select
Selection.Copy
Range(Cells(a, 22), Cells(a + 2 * t - 1, 22)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 23).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(OR(V12=60, V12>60), U12+1, U12))))))"
Range(Cells(11, 23), Cells(12, 23)).Select
Selection.Copy
Range(Cells(a, 23), Cells(a + 2 * t - 1, 23)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _

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SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 24).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", IF(OR(V12=60, V12>60), 0, V12))))))"
Range(Cells(11, 24), Cells(12, 24)).Select
Selection.Copy
Range(Cells(a, 24), Cells(a + 2 * t - 1, 24)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 25).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", AVERAGE(O11:O12))))))"
Range(Cells(11, 25), Cells(12, 25)).Select
Selection.Copy
Range(Cells(a, 25), Cells(a + 2 * t - 1, 25)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 26).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", AVERAGE(P11:P12))))))"
Range(Cells(11, 26), Cells(12, 26)).Select
Selection.Copy
Range(Cells(a, 26), Cells(a + 2 * t - 1, 26)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 27).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", ROUNDDOWN(AF12,0))))))"
Range(Cells(11, 27), Cells(12, 27)).Select
Selection.Copy
Range(Cells(a, 27), Cells(a + 2 * t - 1, 27)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 28).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", IF(AA12=0, ROUNDDOWN((AF12*60/1),0), ROUNDDOWN((MOD(AF12, AA12)*60/1),0))))))"
Range(Cells(11, 28), Cells(12, 28)).Select
Selection.Copy

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Range(Cells(a, 28), Cells(a + 2 * t - 1, 28)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 29).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(AA12=0, ROUND((AF12-
AB12/60)*3600, 1), ROUND((MOD(AF12, AA12)-AB12/60)*3600, 1))))))"
Range(Cells(11, 29), Cells(12, 29)).Select
Selection.Copy
Range(Cells(a, 29), Cells(a + 2 * t - 1, 29)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 30).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(OR(AC12=60, AC12>60), AB12+1, AB12))))))"
Range(Cells(11, 30), Cells(12, 30)).Select
Selection.Copy
Range(Cells(a, 30), Cells(a + 2 * t - 1, 30)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 31).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF(OR(AC12=60, AC12>60), 0, AC12))))))"
Range(Cells(11, 31), Cells(12, 31)).Select
Selection.Copy
Range(Cells(a, 31), Cells(a + 2 * t - 1, 31)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 32).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", IF((AW11+S12)<180, AW11+S12+180, IF(OR((AW11+S12)>540, (AW11+S1
2)=540), AW11+S12-540, AW11+S12-180))))))"
Range(Cells(11, 32), Cells(12, 32)).Select
Selection.Copy
Range(Cells(a, 32), Cells(a + 2 * t - 1, 32)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 33).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่
คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่
คำนวณ"", Y12*SIN(RADIANS(AF12))))))"

```

```

Range(Cells(11, 33), Cells(12, 33)).Select
Selection.Copy
Range(Cells(a, 33), Cells(a + 2 * t - 1, 33)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 34).Formula =
"=IF(AW11=0,""?? ????????",IF(A X11=0,""?? ????????",IF(AY11=0,""??
?????????",IF(AZ11=0,""?? ????????",IF(BA11=0,""?? ????????",Y12*C
OS(RADIANS(AF12)))))))))"
Range(Cells(11, 34), Cells(12, 34)).Select
Selection.Copy
Range(Cells(a, 34), Cells(a + 2 * t - 1, 34)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 35).Formula = "=IF(AW11=0,""ยังไม่คำนวณ"",IF(AX11=0,""ยังไม่
คำนวณ"",IF(AY11=0,""ยังไม่คำนวณ"",IF(AZ11=0,""ยังไม่คำนวณ"",IF(BA11=0,""ยังไม่
คำนวณ"",AX11+AG12))))))"
Range(Cells(11, 35), Cells(12, 35)).Select
Selection.Copy
Range(Cells(a, 35), Cells(a + 2 * t - 1, 35)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 36).Formula = "=IF(AW11=0,""ยังไม่คำนวณ"",IF(AX11=0,""ยังไม่
คำนวณ"",IF(AY11=0,""ยังไม่คำนวณ"",IF(AZ11=0,""ยังไม่คำนวณ"",IF(BA11=0,""ยังไม่
คำนวณ"",AY11+AH12))))))"
Range(Cells(11, 36), Cells(12, 36)).Select
Selection.Copy
Range(Cells(a, 36), Cells(a + 2 * t - 1, 36)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 37).Formula = "=IF(AW11=0,""ยังไม่คำนวณ"",IF(AX11=0,""ยังไม่
คำนวณ"",IF(AY11=0,""ยังไม่คำนวณ"",IF(AZ11=0,""ยังไม่คำนวณ"",IF(BA11=0,""ยังไม่
คำนวณ"",AZ11+Z12-Q12))))))"
Range(Cells(11, 37), Cells(12, 37)).Select
Selection.Copy
Range(Cells(a, 37), Cells(a + 2 * t - 1, 37)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False

```



```
Cells(12, 38).Formula = "=IF(AW11=0, ""ยังไม่คำนวณ"", IF(AX11=0, ""ยังไม่คำนวณ"", IF(AY11=0, ""ยังไม่คำนวณ"", IF(AZ11=0, ""ยังไม่คำนวณ"", IF(BA11=0, ""ยังไม่คำนวณ"", BA11+AK12))))))"
```

```
Range(Cells(11, 38), Cells(12, 38)).Select
```

```
Selection.Copy
```

```
Range(Cells(a, 38), Cells(a + 2 * t - 1, 38)).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

Rem ค่า

```
Cells(11, 49).Formula = "=AF10"
```

```
Cells(11, 49).Select
```

```
Selection.Copy
```

```
Cells(a, 49).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

```
Cells(12, 49).Formula = "=AW11"
```

```
Cells(12, 49).Select
```

```
Selection.Copy
```

```
Range(Cells(a + 1, 49), Cells(a + 2 * t - 1, 49)).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

```
Cells(11, 50).Formula = "=O6"
```

```
Cells(11, 50).Select
```

```
Selection.Copy
```

```
Cells(a, 50).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

```
Cells(12, 50).Formula = "=AX11"
```

```
Cells(12, 50).Select
```

```
Selection.Copy
```

```
Range(Cells(a + 1, 50), Cells(a + 2 * t - 1, 50)).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

```
Cells(11, 51).Formula = "=P6"
```

```
Cells(11, 51).Select
```

```
Selection.Copy
```

```
Cells(a, 51).Select
```

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

```
SkipBlanks:=False, Transpose:=False
```

```
Application.CutCopyMode = False
```

```
Cells(12, 51).Formula = "=AY11"
```

```

Cells(12, 51).Select
Selection.Copy
Range(Cells(a + 1, 51), Cells(a + 2 * t - 1, 51)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(11, 52).Formula = "=M7"
Cells(11, 52).Select
Selection.Copy
Cells(a, 52).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 52).Formula = "=AZ11"
Cells(12, 52).Select
Selection.Copy
Range(Cells(a + 1, 52), Cells(a + 2 * t - 1, 52)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(11, 53).Formula = "=P7"
Cells(11, 53).Select
Selection.Copy
Cells(a, 53).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
Cells(12, 53).Formula = "=BA11"
Cells(12, 53).Select
Selection.Copy
Range(Cells(a + 1, 53), Cells(a + 2 * t - 1, 53)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False

cMsg = "ความคืบหน้า"
If frmPbar.ShowStatus(i, cMsg) = False Then Exit For
Next i
If n >= 2 Then
For k = 2 To n
b = Cells(16 + k, 46)
Range("H5:AL10").Select
Selection.Copy
Cells((b - 6), 8).Select
ActiveSheet.Paste
Application.CutCopyMode = False
Next k

```

```

End If
End If
Unload frmPbar
Range("B3").Select
End Sub
Sub ฟอร์มหน้า()
n = Cells(11, 2).Value
Range(Cells(17, 2), Cells(40000, 3)).Clear
Range(Cells(19, 46), Cells(40000, 46)).Clear
With Range(Cells(17, 2), Cells(16 + n, 3)).Borders
.LineStyle = xlContinuous
.Weight = xlThin
End With
Columns("B:C").Select
With Selection
.HorizontalAlignment = xlCenter
.Orientation = 0
.AddIndent = False
.IndentLevel = 0
.ShrinkToFit = False
.ReadingOrder = xlContext
End With
Selection.NumberFormat = "General"
For i = 1 To n
Cells(16 + i, 2).Value = Replace("xx", "xx", i)
With Range(Cells(17, 2), Cells(16 + n, 2)).Interior
.ColorIndex = 15
End With
With Range(Cells(17, 3), Cells(16 + n, 3)).Interior
.ColorIndex = 36
End With
Next i
If n >= 2 Then
Range("AT18").Select
Selection.Copy
Range(Cells(18, 46), Cells(16 + n, 46)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
End If
Range("C17").Select
End Sub
Sub ฟอร์มที่ใช้Bar()
Sheets("ฟอร์มที่ใช้").Select
n = Cells(3, 16).Value
With frmPbar
.pBar.Max = n

```

```

.pSub = "ข้อมูลที่ใช้"
.Show
End With
End Sub
Private Sub ข้อมูลที่ใช้()
Dim i As Integer
Dim cMsg As String
frmPbar.ShowStatus 0, ""
Sheets("ข้อมูล").Select
n = Cells(3, 16).Value
p = Cells(4 + n, 16)
d = Cells(4 + n, 22)
Range(Cells(5, 15), Cells(40000, 18)).Clear
Range(Cells(6, 6), Cells(40000, 9)).Clear
Range(Cells(7, 22), Cells(40000, 22)).Clear
If n >= 2 Then
Range("V6").Select
Selection.Copy
Range(Cells(6, 22), Cells(5 + n, 22)).Select
Selection.PasteSpecial Paste:=xlPasteFormulas, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Application.CutCopyMode = False
End If
Sheets("ข้อมูล").Select
Range(Cells(17, 2), Cells(16 + n, 3)).Select
Selection.Copy
Sheets("ข้อมูล").Select
Range("O5").Select
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False
Sheets("ข้อมูล").Select
Range(Cells(17, 46), Cells(16 + n, 46)).Select
Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Range("R5").Select
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False
For i = 1 To n
a = Cells(4 + i, 18)
t = Cells(4 + i, 16)
d = Cells(4 + i, 22)
For j = 1 To t
Sheets("ข้อมูล").Select
Cells((a - 2) + (j * 2), 10).Select

```

```

Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Cells((d - 1) + j, 6).Select
ActiveSheet.Paste
Application.CutCopyMode = False
Sheets("ข้อมูล").Select
Cells((a - 1) + (j * 2), 35).Select
Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Cells((d - 1) + j, 7).Select
Selection.PasteSpecial Paste:=xlPasteFormats, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False
Sheets("ข้อมูล").Select
Cells((a - 1) + (j * 2), 36).Select
Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Cells((d - 1) + j, 8).Select
Selection.PasteSpecial Paste:=xlPasteFormats, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False
Sheets("ข้อมูล").Select
Cells((a - 1) + (j * 2), 38).Select
Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Cells((d - 1) + j, 9).Select
Selection.PasteSpecial Paste:=xlPasteFormats, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False
Next j
Sheets("ข้อมูล").Select
Range(Cells(a - 5, 15), Cells(a - 5, 16)).Select
Selection.Copy
Sheets("ข้อมูลที่ใช้").Select
Cells(5 + i, 11).Select
Selection.PasteSpecial Paste:=xlPasteFormats, Operation:=xlNone, _
SkipBlanks:=False, Transpose:=False
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
:=False, Transpose:=False
Application.CutCopyMode = False

```

```

cMsg = "ความคืบหน้า"
If frmPbar.ShowStatus(i, cMsg) = False Then Exit For
Next i
Range(Cells(6, 6), Cells((d + p) - 1, 6)).Select
With Selection.Borders(xlEdgeLeft)
.LineStyle = xlContinuous
.ColorIndex = xlAutomatic
End With
Columns("F:L").Select
With Selection.Interior
.Pattern = xlNone
End With
Range(Cells(6, 7), Cells((d + p) - 1, 12)).NumberFormat = "0.000"
Range(Cells(6, 7), Cells((d + p) - 1, 12)).Select
With Selection
.HorizontalAlignment = xlCenter
End With
Sheets("ข้อมูล").Select
Range("B3").Select
Sheets("ข้อมูลที่ใช้").Select
Range("B12").Select
Unload frmPbar
End Sub
Sub พิมพ์ข้อมูล()
Sheets("ข้อมูลที่ใช้").Select
n = Cells(3, 16).Value
d = Cells(4 + n, 22)
t = Cells(4 + n, 16)
Range(Cells(4, 6), Cells(d - 1 + t, 9)).Select
Selection.PrintOut Copies:=1, Collate:=True
End Sub
Sub พิมพ์กราฟ()
ActiveSheet.PrintOut
End Sub

```

Sheet 2 ป้อนข้อมูล

```

Sub กราฟ()
Application.DisplayAlerts = False
For Each o In Charts
If o.Name = "กราฟ" Then
o.Delete
Exit For
End If
Next o
Charts.Add
ActiveChart.ChartType = xlXYScatter
ActiveChart.SetSourceData Source:=Sheets("ข้อมูลที่ใช้").Range("K20")
ActiveChart.SeriesCollection.NewSeries
ActiveChart.SeriesCollection.NewSeries
ActiveChart.SeriesCollection(1).XValues = "=ข้อมูลที่ใช้!R6C7:R3200C7"
ActiveChart.SeriesCollection(1).Values = "=ข้อมูลที่ใช้!R6C8:R3200C8"
ActiveChart.SeriesCollection(1).Name = ""จุดเก็บdetel""
ActiveChart.SeriesCollection(2).XValues = "=ข้อมูลที่ใช้!R6C11:R3000C11"
ActiveChart.SeriesCollection(2).Values = "=ข้อมูลที่ใช้!R6C12:R3000C12"
ActiveChart.SeriesCollection(2).Name = ""ค่าเริ่มต้น""
ActiveChart.Location Where:=xlLocationAsNewSheet, Name:="กราฟ"
With ActiveChart
.HasTitle = True
.ChartTitle.Characters.Text = "กราฟที่กัก"
.Axes(xlCategory, xlPrimary).HasTitle = True
.Axes(xlCategory, xlPrimary).AxisTitle.Characters.Text = "East"
.Axes(xlValue, xlPrimary).HasTitle = True
.Axes(xlValue, xlPrimary).AxisTitle.Characters.Text = "North"
End With
With ActiveChart.Axes(xlCategory)
.HasMajorGridlines = False
.HasMinorGridlines = False
End With
With ActiveChart.Axes(xlValue)
.HasMajorGridlines = False
.HasMinorGridlines = False
End With
ActiveChart.PlotArea.Select
With Selection.Border
.ColorIndex = 1
.Weight = xlThin
.LineStyle = xlContinuous
End With
With Selection.Interior

```

```
.ColorIndex = 19  
.PatternColorIndex = 1  
.Pattern = xlSolid  
End With  
Sheets("กราฟ").Select  
Sheets("กราฟ").Move After:=Sheets(5)  
End Sub
```

