Script Editor - [Text*]

File Edit View Help

```
Sub TextBoxEvent_Exec(Inputs,Outputs)
   If Inputs(0).Value < Inputs(1).Value Then
      TextBox.Text = "tfp.min (" & Round((Inputs(0).Value / 1),2) & "in ) < tfp.E (" & Round((Inputs(1).Value / 1),2) & "in)  :Therefore O.K."
         TextBox.BackColor = RGB(500,500,500)
              TextBox.ForeColor = RGB(0,0,0)

   ElseIf Inputs(0).Value = Inputs(1).Value Then
      TextBox.Text = "tfp.min  (" & Round((Inputs(0).Value / 1),2) & "in ) = tfp.E (" & Round((Inputs(1).Value / 1),2) & "in)  :Therefore O.K."
         TextBox.BackColor = RGB(500,500,500)
              TextBox.ForeColor = RGB(0,0,0)
   Else
              TextBox.ClientEdge = False
              TextBox.BackColor = RGB(500,500,500)
              TextBox.ForeColor = RGB(500,0,0)
      TextBox.Text = "tfp.min (" & Round((Inputs(0).Value / 1),2) & "in) > tfp.E (" & Round((Inputs(1).Value / 1),2) & "in) :Therefore FAILS"
   End If
End Sub
```

Effective Weld Thickness $tfp_E := w_5 - \frac{1}{8}in$ $tfp_E = \frac{3}{16}\cdot in$

Minimum Effective Throat Thickness **(AISC Specifications Table J2.3)** $tfp_{min} = \frac{3}{16}\cdot in$

**tfp.min (0.19in ) < tfp.E (0.19in)  :Therefore O.K.**