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Dim PVar          ' Prozessvariable
Dim strText       ' Textvariable zur Traceausgabe
Dim arrArray(31) ' Array für BitWerte
Dim i             ' Schleifenzähler
Dim ganzzahl     ' Hilfsvariable
Dim wert         ' Rückgerechneter Wert

' -----
' read wincc tag
' -----
PVar = HMI Runtime.Tags("Ernie_dword_pw").Read

' -----
'
' transfer bits of 32 bit tag to bit array
' -----
' reset bit 31
' transfer bit 31 into bit array
If (PVar >= 2147483648) Then
    PVar = (PVar - 2147483648)
    arrArray(31) = 1
Else
    arrArray(31) = 0
End If

' transfer bit 0..30 into bit array
For i = 0 To 30
    ganzzahl = PVar \ 2
    arrArray(i) = PVar Mod 2
    PVar = ganzzahl
Next

' -----
'
' convert bit array to string (reverse order)
' -----
For i = 31 To 0 Step -1
    strText = strText & CStr(arrArray(i))
Next
' trace into diagnostic window
HMI Runtime.Trace strText & vbNewLine

' -----
'
' transfer bits of bit array to reference tag
' -----
' transfer bit 0..30
For i = 0 To 30
    wert = wert + (arrArray(i)*2 ^ i )
Next
' transfer bit 31
If arrArray(31) = 1 Then
    wert = wert + 2147483648
End If

' trace into diagnostic window
HMI Runtime.Trace "Wert: " & wert & vbNewLine

```