
Subject: Re: Meaning of the expression

Posted by [Markus Schmassmann](#) on Tue, 20 Sep 2016 09:39:38 GMT

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On 09/20/2016 10:05 AM, Helder wrote:

> On Tuesday, September 20, 2016 at 8:05:22 AM UTC+2, Sanu wrote:

>> exp = 'BYTE(B1 NE 0)*1'

>>

>> What is the meaning of this expression???

> It's not an expression, it's an assignment.

> It assigns a string to the variable exp.

> However, the math displayed in the string is somewhat strange:

> - b1 NE 0 will always give a byte result, so there is no need for the byte function

> - the *1 will convert the result to an integer or long (depending on the compiler options)

- B1 NE 0 is of type BYTE with the Boolean flag set, the BYTE() function removes that flag

- the only difference the Boolean flag makes, is to HELP, ISA(XXX,/boolean) and implied print

- once *1 is applied, this does not matter

if compile_opt idl2 or defint32 is set, the math in the string could be shortened to 'LONG(B1 NE 0)', otherwise 'FIX(B1 NE 0)'
