
Subject: Re: Please explain...

Posted by [rivers](#) on Mon, 27 Nov 1995 08:00:00 GMT

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In article <49ae2t\$2gt@hammer.msfc.nasa.gov>, mallozzi@ssl.msfc.nasa.gov writes:

> Can someone explain this to me?

>

> IDL> .r

> - x = 0 & y = 0

> - case 1 of

> - x and y: print, '1'

> - NOT x and y: print, '2'

> - x and NOT y: print, '3'

> - NOT x and NOT y: print, '4'

> - endcase

> - end

> % Compiled module: \$MAIN\$.

> % Case statement found no matches.

> % Execution halted at \$MAIN\$ </dev/tty(1)> .

> IDL> if NOT x and NOT y then print, '4'

> 4

> IDL>

This is an easy one. Case 4 would require the constant "1" to be equal to NOT x and NOT y.

However the IDL NOT operator is a bitwise negation operator, hence (NOT x) is equal to 'FFFF'x. (NOT x and NOT y) is also 'FFFF'X, which is -1.

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