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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?

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>
> 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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