Subject: Re: Need help identifying left most zero bit Posted by Pavel Romashkin on Sat, 06 Apr 2002 20:43:27 GMT

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Phil,

Download the last function from David's page here: http://www.dfanning.com/misc_tips/binary_hex.html Then try:

print, (where(binary(-15s) eq 0))[0]

Cheers,

Pavel

"Phil" <plmcelwee@yahoo.com> wrote in message news:a3589d11.0204051007.10df5da6@posting.google.com...

- > I'm working with negative (two's complement) 16-bit numbers and could
- > use some help. What I'd like to do is have a function that will tell
- > me the location of the left-most zero bit for any given negative
- > 16-bit number. Here are some examples to illustrate my goal.

>

- > if x = -2, which is 1111 1111 1111 1110, then return 1
- > if x = -5, which is 1111 1111 1111 1011, then return 3
- > if x = -15, which is 1111 1111 1111 0111, then return 4
- > if x = -8, which is 1111 1111 1111 1000, then return 3

>

- > Is there something built-in to IDL that will accomplish this? Or does
- > anyone have any other suggestions?