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Subject: Re: bits from bytes

Posted by [Robert Moss](#) on Sat, 20 Dec 1997 08:00:00 GMT

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Kelly Dean wrote:

>  
> I need to extract the first 3 bits from a byte.  
>  
> Any suggestions?  
>  
> Kelly Dean  
> CSU/CIRA

```
b = 11B ; a byte of data
foo = [ 2^0, 2^1, 2^2, 2^3 ]
bits = ( b AND foo ) ne 0
print, bits[0]
1
print, bits[1]
1
print, bits[2]
0
print, bits[3]
1
```

I assume of course you have encoded information into each individual bit. If what you want is the first three bits together, it would simply be  $(b \text{ AND } 7) = 3$

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