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Subject: Re: Time for little quiz!

Posted by [gprentice](#) on Thu, 06 Apr 2006 12:29:41 GMT

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gprentice wrote on Wed, 05 April 2006 21:20luzr wrote on Wed, 05 April 2006 20:54PS, note this nice gem as well:

```
x.colorcount += (-q >> 31) & 1;
```

Mirek

Do you feel like explaining?

I'm sure you know that right shift of a signed negative value has an implementation defined result and that int isn't always 32 bits and ... why would you write obscure code like this ???

Graeme

FWIW - Visual C++ and GCC describe their implementation defined behavior for integer bit operations - most likely all GCC versions do the sign extension mentioned and all VC versions treat signed as unsigned.

[http://msdn2.microsoft.com/en-US/library/dxda59dh\(VS.80\).asp](http://msdn2.microsoft.com/en-US/library/dxda59dh(VS.80).asp) x

<http://gcc.activeventure.org/Integers-implementation.html#Integers-implementation>

Graeme

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