

---

Subject: Re: Time for little quiz!

Posted by [hojtsy](#) on Wed, 05 Apr 2006 13:50:37 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

victorb wrote on Wed, 05 April 2006 09:04I remove my vote for "colorcount += (q != 0)" adding an int with a boolean is not so nice...At least it has standard-defined behaviour, which is an improvement over shifting negative numbers.

victorb wrote on Wed, 05 April 2006 09:04

And I propose suggested #4: "colorcount += (q)?1:0;" (this will generate the same code as #3 with GCC). You don't really need parenthesis there: "colorcount += q ? 1 : 0;" First I thought that this variant may generate a branch.

victorb wrote on Wed, 05 April 2006 09:04Funny to see how many post such a small statement "(-q >> 31) & 1" could generate I think that the big challenge is not to write fast & obfuscated code, but rather write fast and clean code. This example is small enough to test whether this is possible in C if you take the "fast" aspect to the extreme. I see the obfuscated version as practically assembly magic, even if it is written with C statements: the question is whether there is a C++ standard-conformant solution with the same or better runtime performance.

---