

Re: factorial and exponent

Source: http://coding.derkeiler.com/Archive/C_CPP/comp.lang.c/2007-06/msg02331.html

- *From:* Richard Heathfield <rjh@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 17 Jun 2007 12:56:46 +0000
-

Army1987 said:

"Richard Heathfield" <rjh@xxxxxxxxxxxxxxxxxxx> ha scritto nel messaggio news:Gv6dnQ2-P8SDeunbnZ2dnUVZ8t_inZ2d@xxxxxxxxxxx

BiGYaN said:

<snip>

Use GMP library found in <http://gmplib.org/>
It will enable you to do "Arithmetic without Limitations" !!

Nonsense.

Consider an integer greater than or equal to 2. Call it A. Consider another integer greater than or equal to 2. Call it B.

Raise A to the power B, storing the result in A. Now raise B to the power A, storing the result in B. If you repeat this often enough, you *will* hit a limit, no matter what numerical library you use.

But it is a limit of your computer, not of the library itself.

Nevertheless, it is a limit, and therefore the library *cannot* 'enable you to do "Arithmetic without Limitations"', and therefore BiGYaN's statement is nonsense.

Incidentally, you've just emerged from a 30-day spell in my sin bin. I hope I won't have to chuck you back in there.

--

Richard Heathfield

"Usenet is a strange place" – dmr 29/7/1999

<http://www.cpax.org.uk>

email: rjh at the above domain, – www.

Re: factorial and exponent