

## Re: .99999... still/= 1

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2004-12/9649.html>

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**From:** Tapio ([hurmecom\\_at\\_dlc.fi](mailto:hurmecom_at_dlc.fi))

**Date:** 12/21/04

Date: Tue, 21 Dec 2004 20:03:39 GMT

"Dave Seaman" <[dseaman@no.such.host](mailto:dseaman@no.such.host)> wrote in message  
news:cq9kr4\$vtj\$1@mailhub227.itcs.purdue.edu...

> On Tue, 21 Dec 2004 15:45:34 GMT, Tapio wrote:

>

>> "Dave Seaman" <[dseaman@no.such.host](mailto:dseaman@no.such.host)> wrote in message

>> news:cq7ohu\$vlf\$1@mailhub227.itcs.purdue.edu...

>>> On Mon, 20 Dec 2004 20:46:26 GMT, Tapio wrote:

>

>>>> "Dave Seaman" <[dseaman@no.such.host](mailto:dseaman@no.such.host)> wrote in message

>>>> news:cq4d8t\$4vm\$1@mailhub227.itcs.purdue.edu...

>

(snip)

> I don't know what you mean by an "infinite area" or by a "placeholder".

Perhaps it does not help to read my emails carefully. :-(

(snip)

>> OK, let's try again. First of all, I think we should start a new thread

>> from

>> the beginning so that everything is constructed and we use the same

>> concepts

>> and definitions.

>> I) ...999 is not  $N$  as it is not in a classic way finite integer. Let's

>> call

>> it infinite integer ( $N_{inf}$ ) over one infinity.

>

> As far as I am concerned, "...999" does not mean anything at all. It has

> no connection with NSA or anything else as far as I can see. You keep

> throwing that string around as if you think it has a meaning, but you

> have never said what that meaning is.

If You and I can define it, as I have hopefully done, then there is a  
meaning and a connection to the existing mathematics!

> I am not aware of any useful way of representing the members of  $*N$  as

> decimal digit strings. Any scheme I can think of suffers from one of two

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- > *defects: either there are members of  $\mathbb{N}$  that don't fit into the naming*
- > *scheme at all, or the coding scheme is so cryptic that you can't even*
- > *compare the sizes of two numbers just by looking at the digits.*

It think there is now something misunderstanding, of course I take the reason.  $\mathbb{N}$  is (infinite) integer part, what