

Re: #321 $10^{99999\dots999999}$ is (pi) and where $10^{999\dots9998}$ is ; new textbook: Mathematical Physics (Reals & Counting Numbers/AP-adics Primer) for age 6 years onward

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- From: "Jesse F. Hughes" <jesse@xxxxxxxxxxxxxx>
 - Date: Sun, 18 Nov 2007 19:46:13 -0500
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a_plutonium <a_plutonium@xxxxxxxxxxxxxx> writes:

Jesse F. Hughes wrote:

Same issue.

If I start counting at 0, I get to 1 at the same time as I get to 10^0 .
I get to 2 before I get to 10^1 .
I get to 3 before I get to 10^2 .
I get to 4 before I get to 10^3 .

and so on, but I get to $10^{\{999\dots998\}}$ before I get to $999\dots999$.

Of course you do because $10^{99999\dots99998}$ looks like this

10000.....00000 while $9999\dots999999$ is this
 $99999\dots99999$

and thus, there is at least one number between n and $n + 1$.

You lost your claim there.

How sad. You snipped my argument that showed why I made this claim.
I will repeat it here. It follows from what you admit right above.

999999 is (pi) and where $10^{999\dots998}$ is ; new textbook: Mathematical Physics (Reals & Counting Numbers/AP-adics Pri

If I start counting at 0, I get to 1 at the same time as I get to 10^0 .

I get to 2 before I get to 10^1 .

I get to 3 before I get to 10^2 .

I get to 4 before I get to 10^3 .

and so on, but I get to $10^{\{999\dots998\}}$ before I get to $999\dots999$.

(The above you just conceded.)

Thus, there is some n such that

If I start counting at 0, I get to n before I get to 10^{n-1} , but

I get to 10^n before I get to $n+1$

(or maybe at the same time).

Do you agree with the above? If so, then what follows is an obvious consequence.

As lwalke3 pointed out, this would mean:

I get to n before 10^{n-1} ,

to 10^{n-1} before 10^n ,

to 10^n before or at the same time as $n + 1$

and thus, there is at least one number between n and $n + 1$.

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"If you have a really big idea, you can get a measure of how big it is by how much people resist the obvious. From what I've seen, I have a REALLY, REALLY, *REALLY*, BIG DISCOVERY!!!"

—James Harris: If I'm not important, how come people ignore me?

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Re: #321 $10^{99999\dots99999}$ is (pi) and where $10^{999\dots998}$ is ; new textbook: Mathematical Physi2s (Real