

## Re: Problems I have with $1.999\dots=2$

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*Source:* <http://sci.tech-archive.net/Archive/sci.math/2005-05/msg02923.html>

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- *From:* "Randy Poe" <[poespam-trap@xxxxxxxxxx](mailto:poespam-trap@xxxxxxxxxx)>
  - *Date:* 15 May 2005 03:58:47 -0700
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Kirby Cook wrote:

> stephen@xxxxxxxxxx wrote:

>> That is true. 1 is not a member of the set { .9, .99, .999, ... }.

>> But if .999... is a set, then it is not a number,

>> and the question does  $1=.999\dots$  does not make much sense.

>> If you interpret .999... as a number, which is what most people

>> do, then you really do not have a lot of choices about what number

>> it is.

>>

>> Stephen

>

> Since the preceding post could only be described as inattentive, I was

> going to ignore it. But I won't, after all.

> My point, which I consider sufficient, is that .999... is a member of

> the described set, and 1 isn't.

Your "point" is incorrect. The set consists of strings of 9's which end.  $0.999\dots$  does not. It's not a member of the set.

– Randy

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• *References:*

- ◆ ***Problems I have with  $1.999\dots=2$***

◇ *From:* Kirby Cook

- ◆ ***Re: Problems I have with  $1.999\dots=2$***

◇ *From:* stephen

- ◆ ***Re: Problems I have with  $1.999\dots=2$***

◇ *From:* Kirby Cook

- ◆ ***Re: Problems I have with  $1.999\dots=2$***

◇ *From:* Richard Tobin

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- ◆ **Re: Problems I have with 1.999...=2**
  - ◇ From: Kirby Cook
- ◆ **Re: Problems I have with 1.999...=2**
  - ◇ From: stephen
- ◆ **Re: Problems I have with 1.999...=2**
  - ◇ From: Kirby Cook

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