# Re: limitation to induction on finite bounds

***Source:*** http://sci.tech−archive.net/Archive/sci.logic/2004−06/2284.html

---

***From:*** Will Twentyman (*wtwentyman_at_read.my.sig*)
***Date:*** 06/29/04

Date: Mon, 28 Jun 2004 21:59:48 −0400

|−|erc wrote:

> *"Will Twentyman" <wtwentyman@read.my.sig> wrote >*
> *|−|erc wrote:*
> *>>>"Ellis Dees" <dastard@my−deja.com> wrote*
> *>>>*
> *>>>*
> *>>>>Herc,*
> *>>>>*
> *>>>>is {0.9, 0.99, 0.999, ...} = 1 ?*
> *>>>>*
> *>>>>If so, where is 1 on the list?*
> *>>>*
> *>>>*
> *>>>what number is inbetween 0.999.. and 1?*
> *>>*
> *>>They are both 1.*
> *>*
> *> doesn't answer the question.*

There isn't one. What number is between 1 and 1? Nothing.

> *>>>what number is inbetween {0.9, 0.99, 0.999, ...} and 1?*
> *>>*
> *>>Malformed question: what do you mean for something to be between a set*
> *>>and a number?*
> *>>*
> *>>You insist on doing comparisons between things where there is no defined*
> *>>comparison operator.*
> *>*
> *> what number is between all members of the set and 1?*

Again, nothing.

> *> you guys can't see the forrest for the trees, you fail to recognise a set*
> *> contains a sequence of digits becuase of 'type' arguments applying over infinite objects.*

You have to see the trees to see the forest. If you don't see trees,
it's something else.

--
Will Twentyman
email: wtwentyman at copper dot net