

# Re: Cantor Confusion

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*Source:* <http://sci.tech-archive.net/Archive/sci.math/2007-03/msg03763.html>

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  - *Date:* 17 Mar 2007 07:02:09 -0700
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On 16 Mrz., 21:31, Virgil <vir...@xxxxxxxxxxxx> wrote:

In article <1174055000.972069.261...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>,

The function of all cross sections,  $f: n \mapsto 2^n$ , is "continuous" in the sense that never a jump by more than a factor 2 can occur because the nodes of the tree are connected by an untearable network. The domain is the same as the range, namely  $\mathbb{N}$ . That is fact, not by claim but by construction of the tree. That's why I constructed it.

You constructed the tree to show that  $2^{n+1} \leq 2 \cdot 2^n$  ?  
 Well, that really must have been fun. Ok, I agree on this. Now we know a property of the function

$$f: \mathbb{N} \rightarrow \mathbb{N}$$

$$n \mapsto 2^n.$$

This does not tell us anything about  $2^{\aleph_0}$ .

$\aleph_0$  is not a natural number.

Are you just discovering that?

## Re: Cantor Confusion

Every index of a digit of a real number or of a node, however, is a natural number. Therefore it is of no interest at all to speculate about what happens "at aleph\_0". That should you try to discover.

Regards, WM

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