

Re: Cantor and the binary tree

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-05/msg04538.html>

- *From:* Virgil <ITSnetNOTcom#virgil@xxxxxxxxxxx>
 - *Date:* Tue, 24 May 2005 16:26:42 -0600
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In article <1116958479.555107.284630@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, mueckenh@xxxxxxxxxxxxxxxxxxx wrote:

>>
>>> .
>>> 0 1
>>> 0 1 0 1
>>>
>
> Any path is an infinite sequence of bits which by multiplying with 2^{-n}
> and summing up establishes an infinite series representing a real
> number. Every combination of countably many bits is realized by
> definition.

But such an "infinite" binary tree is not a list, so this has nothing to say about the validity of Cantor's theorem.

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- *Follow-Ups:*
 - ◆ ***Re: Cantor and the binary tree***
◇ *From:* aeo6
 - ◆ ***Re: Cantor and the binary tree***
◇ *From:* mueckenh

- *References:*
 - ◆ ***Cantor and the binary tree***
◇ *From:* mueckenh
 - ◆ ***Re: Cantor and the binary tree***
◇ *From:* Dik T. Winter
 - ◆ ***Re: Cantor and the binary tree***
◇ *From:* mueckenh

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