

## Re: Approaching the infinite binary tree

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- *From:* LudovicoVan <julio@xxxxxxxxxxxxxxxx>
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On 29 Sep, 03:48, Mariano Suárez-Alvarez  
<mariano.suarezalva...@xxxxxxxx> wrote:

On Sep 28, 3:37 am, LudovicoVan <ju...@xxxxxxxxxxxxxxxx> wrote:

I am thinking along the following lines, and I'd greatly appreciate some feedback.

Given the set of the extended naturals:  $N^* := N \cup \{w\}$ , where 'w' (omega) is the limit ordinal.

Let's consider the infinite binary tree, that is –informally– a binary tree with  $w$  levels.

You seem to mean by this that you have a last level, the one indexed by  $w$ .

I can drop the "informally": A tree with  $w$  levels! What is the problem with that?

–LV

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