

## Re: Cantor K.O.'d -- again!

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Mark Adkins wrote:

<major snip>

- > *Here we are at the 1,013<sub>th</sub> stage. The diagonal is identical,*
- > *in both content and length, to the 1,013<sub>th</sub> list member.*
- > *Goodness, this is boring! When \*will\* the diagonal become*
- > *infinite, thus distinguishing itself from the list members, all*
- > *of which must remain finite? Hmmm...that's a toughie. The*
- > *Cantorists would probably answer: "When the list is completed".*
- > *We shall see.*
- >
- > *Meanwhile, \*how\* can the diagonal ever become infinite, since at*
- > *each stage  $n$  the diagonal is identical to the  $n$ <sub>th</sub> list member,*
- > *and every possible  $n$  is a finite natural number?*

Would you mind explicating the meaning of this phrase "to become infinite"?

Matt