

# Re: infinity

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- *From:* "Dik T. Winter" <[Dik.Winter@xxxxxx](mailto:Dik.Winter@xxxxxx)>
  - *Date:* Thu, 22 Sep 2005 09:36:13 GMT
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In article <1127374594.506226.146060@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> albstorz@xxxxxx writes:

....

- > The infinite sequence  $\{1\}, \{1,2\}, \{1,2,3\}, \dots$  has the maximum element
- >  $|\mathbb{N}$ .
- > The infinite sequence of the cardinalities of the elements of this
- > sequence, namely  $|\{1\}|, |\{1,2\}|, |\{1,2,3\}|, \dots$ , has the maximum
- > element "infinity".

Both do not have a maximum element. I have no idea why you think they have one.

- > But the infinite sequence  $1,2,3, \dots$  has no maximum element.
- >
- > What is the difference between the first case of sequences and the
- > second case?

None at all.

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