

Re: The Difference between a Set and an Element

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- *From:* Chris Menzel <cmenzel@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 16 Jan 2007 00:55:38 +0000 (UTC)
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On 15 Jan 2007 11:15:58 -0800, Paul Holbach
<paulholbachDELETETHENAME@xxxxxxxxxxx> said:

Chris Menzel schrieb:

Granted, there might be those who would say that {5,17,1383} is the concept of being identical to 5, 17 or 1383 (though I think that would be an odd thing to say). So consider instead, for example, an arbitrary infinite set S of natural numbers for which — unlike, say, {5,17,1383} or the set of prime numbers — there is no description that characterizes exactly the members of S, and no procedure that lists them. What concept is S? Sure doesn't seem like anything I'd call a concept.

I agree with you insofar as, in the Fregean sense, sets are objects and not concepts. As we know, there isn't a set for every concept. But isn't it the case that there is a (defining) concept for every set, as Gödel conjectured:

"A plausible conjecture is: Every set is the extension of a concept."

It would take a *very* robust and fine-grained notion of "concept" for that to be so, e.g., one on which there are infinite disjunctive concepts whose disjuncts are of the form "being identical with A" for arbitrary objects A. I don't see any other way of justifying the claim that, e.g., every arbitrary subset of N is the extension of a concept.

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