

Re: The Difference between a Set and an Element

Source: <http://sci.tech-archive.net/Archive/sci.logic/2007-01/msg00319.html>

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 - *Date:* Thu, 18 Jan 2007 01:37:28 +0100
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On 17 Jan 2007 16:15:40 -0800, "Paul Holbach"
<paulholbachDELETETHENAME@xxxxxxxxxxx> wrote:

Imho your are mixing up things here.

$x = 1 \vee x = 12 \vee x = 345 \vee x = 9536 \vee x = 27364 \vee x = 876453$

Is an *_expression_* (i.e. a formula), but *_not_* a concept.

But I'm afraid I cannot mention concepts without using [such] expressions [i.e. formulas], can I?

Sure you can. For that purpose (in 2OL) we use concept symbols.

[...] when I speak of the concept <horse>, I use the word "horse" in order mention something non-linguistic. [...] What is a concept?

Good question! :-)

And open formulas qua functional expressions represent concepts [...]

Sure.

So the open formula " $x = 1 \vee x = 12 \vee x = 345 \vee x = 9536 \vee x = 27364 \vee x = 876453$ " represents either the concept <identity with 1, 12, 345, 9536, 27364, or 876453> or the property of being identical with 1, 12,

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345, 9536, 27364, or 876453.

Right.

Still the expression / the formula

$$x = 1 \vee x = 12 \vee x = 345 \vee x = 9536 \vee x = 27364 \vee x = 876453$$

is not identical with the concept it represents. (Assuming there are such entities like concepts.)

Likewise,

123

is an expression, but not a number.

123 is a number, and "123" is a numerical expression.

Right.

A formula does have a length (the formula above consists of 38 symbols), but I would deny that a concept has a length (or consists of symbols).

Concepts [...] are indeed not likely to have a (syntactic) length.

See?

It's important (of course) not to mix up expressions with concepts.

Yes.

Fine.

F.

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