

Re: About pii and integers

Source: <http://sci.tech-archive.net/Archive/sci.math/2004-10/0114.html>

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Date: 09/30/04

Date: 30 Sep 2004 08:03:51 -0700

Keckman <keckman@welho.com> wrote in message news:<opse3sc7g83uk9lu@cs81133.pp.htv.fi>...

> *On Tue, 28 Sep 2004 14:58:35 -0500, Daniel W. Johnson*

> *<panoptes@iquest.net> wrote:*

>

> > *Induction lets you reach a conclusion about every element of N.*

> > *It does NOT yield a conclusion about N itself.*

>

> *Where that's comes from? Is it in the Peano's axioms ?*

> *(Maybe number 6 has to added to Peanos Axioms)*

No, it comes from basic logic. It comes from keeping straight when you are talking about one object, and when you are talking about another.

Do you think something that's true about each individual dog on earth is true of all the dogs on earth?

Keckman logic:

1. Let x be a dog. I can fit x into a cage 2 x 2 x 2 meters.
2. Therefore I can fit all dogs on earth into a cage 2 x 2 x 2 meters.

After reasoning about each individual element of N, you have learned something about the elements. That does not imply the set has any particular property. The set is not the elements. "Any particular dog on earth" is not the same as "All the dogs on earth".

– Randy