Re: Nonfirstorderizability

Source: http://sci.tech−archive.net/Archive/sci.logic/2005−08/msg00260.html

- *From*: "George Dance" <georgedance04@xxxxxxxx>
- *Date*: 13 Aug 2005 11:09:53 −0700

Torkel Franzen wrote:
> "George Dance" <georgedance04@xxxxxxxx> writes:
>
> > ExEyAz((x/=y) & (Cx & Cy) & (Axy & Ayx) & (Axz −> (Cz & Azx)) & (Ayz −>
> > (Cz & Azy))).
> >
> > Not a simplification, I'm afraid, but a better translation of "Some
> > critics admire only each other". ("There are at least two critics who
> > admire each other, both or all of whom admire only critics who admire
> > them."
>
> I guess this too is a possible interpretation of "Some critics
> admire only each other". Those who write about branching quantifiers
> use some odd examples, such as Hintikka's
>
> Some relative of each villager and some relative
> of each townsman hate each other.

My first approximation to formalizing that would be:
AxAyEzEu((Vx −> Rzx) & (Ty −> Ruy) & (Hzu & Huz))

I've been looking for other such sentences on the web, BTW, and I've found one that looks harder: "The men formed a circle around the building."

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- ***Follow−Ups***:
  - ***Re: Nonfirstorderizability***
    - ◊ *From:* george
  - ***Re: Nonfirstorderizability***
    - ◊ *From:* Torkel Franzen
- ***References***:
  - ***Nonfirstorderizability***
    - ◊ *From:* Michael De
  - ***Re: Nonfirstorderizability***