CORRECTIONS FOR MY PAPER: A MODEL FOR LEŚNIEWSKI'S MEREOLOGY IN FUNCTIONS

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In my paper, [1], an error was made. The analog for the category of names, denoted by $\mathcal{N}\langle\sigma\rangle$, is too restrictive. It fails to have an analog for $\land$, the empty name. To correct this error, the following changes must be made.

$DN1$ $[\sigma] :: \mathcal{N}\langle\sigma\rangle .\equiv\therefore [a]:!(a) .\equiv. [\exists A].A\varepsilon\sigma(a)\therefore[Aa]\therefore A\varepsilon\sigma(a).\supset$
$\quad :A = 0 .\lor. A = 1\therefore [ABa]:A\varepsilon\sigma(a).B\varepsilon\sigma(a).\supset. A = B$

$DN2$ $[\Sigma]\therefore \mathcal{I}\langle\Sigma\rangle .\equiv: \mathcal{N}\langle\Sigma\rangle :[\exists a].1\varepsilon\Sigma(a):[ab]:1\varepsilon\Sigma(a).1\varepsilon\Sigma(b) .\supset. a\circ b$

$N4$

2)	$\mathcal{I}\langle\Sigma\rangle .$	$[DN3, 1]$
3)		$[DN2, 1]$

Note: This indicates that step 3) is unchanged, but the reason is changed.

$N18$

2) $\rbrace$		$[DN2, 1]$
3)		

METATHEOREM:

*3

Eliminate step 3)

4)		$[DN2, 2]$

*4

4) $\rbrace$		$[DN3, 2]$
5)		
6)		$[DN2, 4]$

$N31$

3)		$[DN2, 1]$

$N37$

4)		$[DN2, 3]$

Eliminate $N40$ and replace by