

## Totally correct logic program transformations via well-founded annotations

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The original version of this article unfortunately contained a mistake. The text of Theorem 4 was incorrect. The corrected theorem is given below.

**Theorem 4** *The set  $\mathcal{P}(B_{\mathcal{W}})$  is a complete lattice with respect to set inclusion and, for every annotated program  $\overline{P}$ , the immediate consequence operator  $T_{\overline{P}}: \mathcal{P}(B_{\mathcal{W}}) \rightarrow \mathcal{P}(B_{\mathcal{W}})$  is a continuous function. Thus,  $T_{\overline{P}}$  has a least fixpoint  $\text{lfp}(T_{\overline{P}})$  and a greatest fixpoint  $\text{gfp}(T_{\overline{P}})$ . Moreover,  $\text{lfp}(T_{\overline{P}})$  is the least upper bound of the chain  $\{T_{\overline{P}}^n(\emptyset) \mid n \in \mathbb{N}\}$  and  $\text{lfp}(T_{\overline{P}})$  is the least  $\mathcal{W}$ -model  $M(\overline{P})$  of  $\overline{P}$ .*

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