

Unbenannt.notebookNovember 06, 2018

Skizze: \mathbb{Z}_3 :

→ = hasDad

Nov 6-14:07

se 58

(a) $\forall x. \text{person}(x) \rightarrow \exists y. \overset{\text{has}}{\text{parent}}(x,y)$
person(john)

(2) $\neg \text{hasParent}(\text{john}, y)$ ← *illegal due to query*
 $\text{parent}(X) \rightarrow \exists y. \text{hasParent}(X,y)$? *hasParent(john,y)*

$\neg \text{parent}(X)$ → $\exists y. \neg \text{hasParent}(X,y)$

$\square \begin{matrix} X_1 \rightarrow \text{john} \\ X_2 \rightarrow \text{bob} \end{matrix}$

(3) $\text{hasParent}(X, \neg \text{parent}(X))$ ← *is empty world, there is a parent of X*
Person(john)
 $\square X \rightarrow \text{john}$
 $Y \rightarrow \neg(\text{john})$
define f(x) such that it denotes a (some) parent of X

Nov 6-15:25

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