

w_locl^{11,40}

$$\text{w_locl}(w;x;y) \equiv_{\text{def}} x \ \lambda x,y. \ (\neg(\uparrow\text{first}(y))) \ c \wedge (x = \text{pred}(y))^{\wedge} + y$$

clarification:

$$\begin{aligned} &\text{w_locl}(w;x;y) \\ &\equiv_{\text{def}} x \\ &\quad \text{rel_plus}(\text{w-E}(w); \\ &\quad \quad (\lambda x,y. \ (\neg(\uparrow\text{first}(\lambda e.\text{w-pred}(w;e);y)))) \\ &\quad \quad c \wedge (x = \text{pred}(\lambda e.\text{w-pred}(w;e);y) \in \text{w-E}(w))) \ y \end{aligned}$$