

w_locle^{11,40}

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

clarification:

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