

## **s-insert-no-repeats**<sup>11,40</sup>

$\forall T:\text{Type}.$

$\text{subtype\_rel}(T; \mathbb{Z})$

$\Rightarrow (\forall x:T, L:(T \text{ List}). \text{sorted}(L) \Rightarrow \text{no\_repeats}(T; L) \Rightarrow \text{no\_repeats}(T; \text{s-insert}(x; L)))$