

## **no\_repeats-merge**<sup>11,40</sup>

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

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

$\Rightarrow (\forall bs, as:(T \text{ List}). \text{no\_repeats}(T; as) \Rightarrow \text{sorted}(as) \Rightarrow \text{no\_repeats}(T; \text{merge}(as; bs)))$