

## **insert\_property**<sup>0,22</sup>

$\forall T:\text{Type}, eq:\text{EqDecider}(T), a:T, L:T \text{ List}.$   
 $(\forall b:T. (b \in \text{insert}(a;L)) \Leftrightarrow b = a \vee (b \in L))$   
&  $(\text{no\_repeats}(T;L) \Rightarrow \text{no\_repeats}(T;\text{insert}(a;L)))$