

## **strong-subtype**<sup>0,22</sup>

strong-subtype( $A;B$ )

$\equiv_{\text{def}} A \subseteq \rho B \ \& \ \{b:B \mid \exists a:A. b = a\} \subseteq \rho A \ \& \ (\forall a_1, a_2:A. a_1 = a_2 \Rightarrow a_1 = a_2)$

*clarification:*

strong-subtype( $A;B$ )

$\equiv_{\text{def}} A \subseteq \rho B \ \& \ \{b:B \mid \exists a:A. b = a \in B\} \subseteq \rho A \ \& \ (\forall a_1:A, a_2:A. a_1 = a_2 \in B \Rightarrow a_1 = a_2 \in A)$