

strong-subtype-set^{11,40}

$\forall A, B: \text{Type}.$

$\text{strong-subtype}(A; B)$

$\Rightarrow (\forall P: (A \rightarrow \text{prop}\{i:l\}), Q: (B \rightarrow \text{prop}\{i:l\}).$

$(\forall x:A. P(x) \Rightarrow Q(x)) \Rightarrow \text{strong-subtype}(\{x:A \mid P(x)\} ; \{x:B \mid Q(x)\})$)