t8_coh_sp (TMJY6c62NkreD2iTZhWH4LDpX68yYLzQmKk)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_classes1 : \iota \Rightarrow o$ be given. Let $v1\_coh\_sp : \iota \Rightarrow o$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X1) \wedge ((v1\_classes1\ X1) \wedge (v1\_coh\_sp\ X1))) \Rightarrow ((X0 \in X1) \Leftrightarrow (\forall X2.\forall X3.((X2 \in X0) \wedge (X3 \in X0)) \Rightarrow (k2\_tarski\ X2\ X3 \in X1))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (r1\_tarski\ X0\ (k3\_tarski\ X1)) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X1) \wedge ((v1\_classes1\ X1) \wedge (v1\_coh\_sp\ X1))) \Rightarrow ((\forall X2.\forall X3.((X2 \in X0) \wedge (X3 \in X0)) \Rightarrow (k2\_tarski\ X2\ X3 \in X1)) \Rightarrow (r1\_tarski\ X0\ (k3\_tarski\ X1)))$$