

t32\_coh\_sp (TM-  
NUpdJX1PVMNWmpXznJ9tykPn2w5SsZzpp)

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Let  $k1\_eqrel\_1 : \iota \Rightarrow \iota$  be given. Let  $k15\_coh\_sp : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Rightarrow (k1\_eqrel\_1 X0 \in k15\_coh\_sp X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X0)) \quad (2)$$

**Theorem 1**  $\forall X0. k1\_eqrel\_1 X0 \in k15\_coh\_sp X0.$