

t1_coh_sp
(TMJeEpmDqJRHp2xDscLLp6Corgb2jBowpHL)

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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 $k1_xboole_0 : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. r1_tarski\ k1_xboole_0\ X0 \tag{1}$$

Assume the following.

$$\forall X0. (v1_xboole_0\ X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \tag{2}$$

Assume the following.

$$\forall X0. (v1_classes1\ X0) \Leftrightarrow (\forall X1. \forall X2. ((X1 \in X0) \wedge (r1_tarski\ X2\ X1)) \Rightarrow (X2 \in X0)) \tag{3}$$

Theorem 1

$$\forall X0. ((\neg v1_xboole_0\ X0) \wedge ((v1_classes1\ X0) \wedge (v1_coh_sp\ X0))) \Rightarrow (k1_xboole_0 \in X0)$$