

t34_coh_sp (TMcrxoENHKn- QKEUV7xqf5p9vvHpahrNvhcG)

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Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k16_coh_sp : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k15_coh_sp : \iota \Rightarrow \iota$ be given. Let $v1_relat_2 : \iota \Rightarrow o$ be given. Let $v3_relat_2 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k14_coh_sp : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. r1_tarski k1_xboole_0 X0 \quad (2)$$

Assume the following.

$$\forall X0. k1_xboole_0 \in k15_coh_sp X0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (4)$$

Assume the following.

$$(v1_relat_2 k1_xboole_0) \wedge ((v3_relat_2 k1_xboole_0) \wedge ((v1_partfun1 k1_xboole_0 k1_xboole_0) \wedge (m1_subset_1 k1_xboole_0 (k1_zfmisc_1 (k2_zfmisc_1 k1_xboole_0 k1_xboole_0)))))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. k4_tarski X0 X1 = k2_tarski (k2_tarski X0 X1) (k1_tarski X0) \quad (6)$$

Assume the following.

$$k1_xboole_0 = the (\lambda X0 : \iota. v1_xboole_0 X0) \quad (7)$$

Assume the following.

$$\begin{aligned} \forall X0.k16_coh_sp\ X0 = & ReplSep2\ (toset\ (\lambda X1 : \iota.m1_subset_1 \\ & X1\ (k15_coh_sp\ X0)))\ (\lambda X1 : \iota.toset\ (\lambda X2 : \iota.m1_subset_1 \\ & X2\ (k1_zfmisc_1\ X0)))\ (\lambda X1 : \iota.\lambda X2 : \iota.(v1_partfun1\ X1 \\ & X2)\wedge((v1_relat_2\ X1)\wedge((v3_relat_2\ X1)\wedge(m1_subset_1\ X1\ (k1_zfmisc_1 \\ & (k2_zfmisc_1\ X2\ X2))))))\ (\lambda X1 : \iota.\lambda X2 : \iota.k4_tarski\ X1 \\ & X2) \end{aligned} \tag{8}$$

Assume the following.

$$\begin{aligned} \forall X0.k15_coh_sp\ X0 = & k3_tarski\ (ReplSep\ (toset\ (\lambda X1 : \iota. \\ & m1_subset_1\ X1\ (k1_zfmisc_1\ X0)))\ (\lambda X1 : \iota.True)\ (\lambda X1 : \\ & \iota.k14_coh_sp\ X1)) \end{aligned} \tag{9}$$

Theorem 1 $\forall X0.k4_tarski\ k1_xboole.0\ k1_xboole.0 \in k16_coh_sp\ X0.$