

t75_cohsp_1
(TMa2YLwoJLCwnDTwy2YACboa471Z3gWKca3)

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Let $k14_cohsp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_card_3 : \iota \Rightarrow \iota$ be given. Let $k2_card_3 : \iota \Rightarrow \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k14_cohsp_1 X0 X1 = k2_xboole_0 (k2_zfmisc_1 X0 (k1_tarski np_1)) (k2_zfmisc_1 X1 (k1_tarski np_2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (X0 = k4_tarski (k1_xtuple_0 X0) (k2_xtuple_0 X0))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X0 \in k2_zfmisc_1 X1 (k1_tarski X2)) \Rightarrow ((k1_xtuple_0 X0 \in X1) \wedge (k2_xtuple_0 X0 = X2)) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. v1_relat_1 (k2_zfmisc_1 X0 X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. k4_tarski X0 X1 = k2_tarski (k2_tarski X0 X1) (k1_tarski X0) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_xboole_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \vee (X3 \in X1))) \quad (6)$$

Assume the following.

$$\forall X0. \forall X1. k14_cohsp_1 X0 X1 = k3_card_3 (k2_card_3 (k10_finseq_1 X0 X1)) \quad (7)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.(X2 \in k14.cohsp-1 X0 X1) \Rightarrow ((X2 = k4.tarSKI (k1_xtuple_0 X2) (k2_xtuple_0 X2)) \wedge (((k2_xtuple_0 X2 = np_{-1}) \wedge (k1_xtuple_0 X2 \in X0)) \vee ((k2_xtuple_0 X2 = np_{-2}) \wedge (k1_xtuple_0 X2 \in X1))))$$