

t8_prob_1
(TMFo5SCTiXAq978rE1M4jwRtcMiKRfihhce)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v2_finsub_1 : \iota \Rightarrow o$ be given. Let $v1_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Let $k3_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. k4_xboole_0 X0 k1_xboole_0 = X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (k4_xboole_0 X0 X1 = k1_xboole_0) \Leftrightarrow (r1_tarski X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 X0)) \Rightarrow (m1_subset_1 (k2_tarski X1 X2) (k1_zfmisc_1 (k1_zfmisc_1 X0)))) \quad (3)$$

Assume the following.

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

Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 X0 \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. \neg v1_xboole_0 (k2_tarski X0 X1) \quad (6)$$

Assume the following.

$$\forall X0. v2_finsub_1 (k2_tarski k1_xboole_0 X0) \quad (7)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0))\Rightarrow(k3_subset_1 X0 X1 = k4_xboole_0 X0 X1) \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(X2 = k2_tarSKI X0 X1)\Leftrightarrow(\forall X3.(X3 \in X2)\Leftrightarrow((X3 = X0)\vee(X3 = X1))) \quad (10)$$

Assume the following.

$$\forall X0.k1_subset_1 X0 = k1_xboole_0 \quad (11)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1_zfmisc_1 X0)\Leftrightarrow(\forall X2.(X2 \in X1)\Leftrightarrow(r1_tarSKI X2 X0)) \quad (12)$$

Assume the following.

$$\forall X0.\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0)))\Rightarrow((v1_prob_1 X1 X0)\Leftrightarrow(\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 X0))\Rightarrow((X2 \in X1)\Rightarrow(k3_subset_1 X0 X2 \in X1)))) \quad (13)$$

Assume the following.

$$\forall X0.\forall X1.k2_tarSKI X0 X1 = k2_tarSKI X1 X0 \quad (14)$$

Theorem 1

$$\forall X0.(\neg v1_xboole_0 (k2_tarSKI k1_xboole_0 X0)) \wedge ((v2_finsub_1 (k2_tarSKI k1_xboole_0 X0)) \wedge (v1_prob_1 (k2_tarSKI k1_xboole_0 X0) X0) \wedge (m1_subset_1 (k2_tarSKI k1_xboole_0 X0) (k1_zfmisc_1 (k1_zfmisc_1 X0)))))$$