

t29_kurato_1

(TMSVuyAjjwNvwdv6wiHgeGHykUwyZJyds3G)

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Let $k2_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_topmetr : \iota$ be given. Let $k1_tops_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_kurato_1 : \iota$ be given. Let $k3_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k2_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k1_seq_4 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v6_membered : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$k2_pre_topc\ k3_topmetr\ (k1_tops_1\ k3_topmetr\ (k2_pre_topc\ k3_topmetr\ k6_kurato_1)) = k3_rcomp_1\ np_2\ k1_xxreal_0 \quad (1)$$

Assume the following.

$$\forall X0.(v1_xxreal_0\ X0) \Rightarrow (\forall X1.(v1_xreal_0\ X1) \Rightarrow ((X1 \in k2_xxreal_1\ X0\ k1_xxreal_0) \Leftrightarrow (r1_xxreal_0\ X0\ X1))) \quad (2)$$

Assume the following.

$$k2_pre_topc\ k3_topmetr\ k6_kurato_1 = k4_subset_1\ k1_numbers\ (k1_seq_4\ np_1)\ (k3_rcomp_1\ np_2\ k1_xxreal_0) \quad (3)$$

Assume the following.

$$((v2_xxreal_0\ np_2) \wedge (m2_subset_1\ np_2\ k1_numbers\ k5_numbers)) \wedge ((m1_subset_1\ np_2\ k5_numbers) \wedge (m1_subset_1\ np_2\ k1_numbers)) \quad (4)$$

Assume the following.

$$((v2_xxreal_0\ np_1) \wedge (m2_subset_1\ np_1\ k1_numbers\ k5_numbers)) \wedge ((m1_subset_1\ np_1\ k5_numbers) \wedge (m1_subset_1\ np_1\ k1_numbers)) \quad (5)$$

Assume the following.

$$\neg r1_xxreal_0 \ np_2 \ np_1 \tag{6}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((m1_subset_1 \ X1 \ (k1_zfmisc_1 \ X0)) \wedge (m1_subset_1 \ X2 \ (k1_zfmisc_1 \ X0))) \Rightarrow (k4_subset_1 \ X0 \ X1 \ X2 = k2_xboole_0 \ X1 \ X2) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 \ X0) \wedge (v1_xxreal_0 \ X1)) \Rightarrow (k3_rcomp_1 \ X0 \ X1 = k2_xxreal_1 \ X0 \ X1) \tag{9}$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (k1_seq_4 \ X0 = k1_tarSKI \ X0) \tag{10}$$

Assume the following.

$$v6_membered \ k4_ordinal1 \tag{11}$$

Assume the following.

$$v3_membered \ k1_numbers \tag{12}$$

Assume the following.

$$v1_xxreal_0 \ k1_xxreal_0 \tag{13}$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 \ X0) \wedge (v1_xxreal_0 \ X1)) \Rightarrow (m1_subset_1 \ (k3_rcomp_1 \ X0 \ X1) \ (k1_zfmisc_1 \ k1_numbers)) \tag{14}$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (m1_subset_1 \ (k1_seq_4 \ X0) \ (k1_zfmisc_1 \ k1_numbers)) \tag{15}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(X2 = k2_xboole_0 \ X0 \ X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \vee (X3 \in X1))) \tag{16}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1_tarSKI \ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \tag{17}$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(v1_xreal_0\ X0) \quad (18)$$

Assume the following.

$$\forall X0.(v6_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v7_ordinal1\ X1)) \quad (19)$$

Assume the following.

$$\forall X0.(v3_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_xreal_0\ X1)) \quad (20)$$

Theorem 1

$$k2_pre_topc\ k3_topmetr\ (k1_tops_1\ k3_topmetr\ (k2_pre_topc\ k3_topmetr\ k6_kurato_1))\neq k2_pre_topc\ k3_topmetr\ k6_kurato_1$$