

t28_kurato_1

(TMH6CYKd4erVSSaekDYTGt7P25pFtTNfmUV)

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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 $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k4_xxreal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k1_numbers : \iota$ 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 $v6_membered : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$k2_pre_topc \ k3_topmetr \ (k1_tops_1 \ k3_topmetr \ (k2_pre_topc \ k3_topmetr \ k6_kurato_1)) = k3_rcomp_1 \ np_2 \ k1_xxreal_0 \tag{1}$$

Assume the following.

$$k1_tops_1 \ k3_topmetr \ (k2_pre_topc \ k3_topmetr \ k6_kurato_1) = k2_rcomp_1 \ np_2 \ k1_xxreal_0 \tag{2}$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (\forall X1.(v1_xreal_0 \ X1) \Rightarrow ((X1 \in k2_xxreal_1 \ X0 \ k1_xxreal_0) \Leftrightarrow (r1_xxreal_0 \ X0 \ X1))) \tag{3}$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (\forall X1.(v1_xreal_0 \ X1) \Rightarrow ((X1 \in k4_xxreal_1 \ X0 \ k1_xxreal_0) \Leftrightarrow (\neg r1_xxreal_0 \ X1 \ X0))) \tag{4}$$

Assume the following.

$$((v2_xxreal_0 \ np_2) \wedge (m2_subset_1 \ np_2 \ k1_numbers \ k5_numbers)) \wedge ((m1_subset_1 \ np_2 \ k5_numbers) \wedge (m1_subset_1 \ np_2 \ k1_numbers)) \tag{5}$$

Assume the following.

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

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xreal_0 X0)\wedge(v1_xreal_0 X1))\Rightarrow(k3_rcomp_1 X0 X1 = k2_xreal_1 X0 X1) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xreal_0 X0)\wedge(v1_xreal_0 X1))\Rightarrow(k2_rcomp_1 X0 X1 = k4_xreal_1 X0 X1) \quad (9)$$

Assume the following.

$$v6_membered k4_ordinal1 \quad (10)$$

Assume the following.

$$v3_membered k1_numbers \quad (11)$$

Assume the following.

$$v1_xreal_0 k1_xreal_0 \quad (12)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0)\Rightarrow(v1_xreal_0 X0) \quad (13)$$

Assume the following.

$$\forall X0.(v6_membered X0)\Rightarrow(\forall X1.(m1_subset_1 X1 X0)\Rightarrow(v7_ordinal1 X1)) \quad (14)$$

Assume the following.

$$\forall X0.(v3_membered X0)\Rightarrow(\forall X1.(m1_subset_1 X1 X0)\Rightarrow(v1_xreal_0 X1)) \quad (15)$$

Theorem 1

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