

t42_kurato_1

(TMM3DZUXrqHQv9N3CQs16msY2Eiiwj2XMke)

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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 $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_4 : \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k3_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ 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 $v3_membered : \iota \Rightarrow o$ be given. Assume the following.

$$k1_tops_1 \ k3_topmetr \ (k2_pre_topc \ k3_topmetr \ (k1_tops_1 \ k3_topmetr \ k6_kurato_1)) = k2_rcomp_1 \ np_4 \ k1_xxreal_0 \quad (1)$$

Assume the following.

$$k2_pre_topc \ k3_topmetr \ (k1_tops_1 \ k3_topmetr \ k6_kurato_1) = k3_rcomp_1 \ np_4 \ k1_xxreal_0 \quad (2)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (\forall X1.(v1_xxreal_0 \ X1) \Rightarrow ((X1 \in k2_xxreal_1 \ X0 \ k1_xxreal_0) \Leftrightarrow (r1_xxreal_0 \ X0 \ X1))) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xxreal_0 \ X0) \Rightarrow (\forall X1.(v1_xxreal_0 \ X1) \Rightarrow ((X1 \in k4_xxreal_1 \ X0 \ k1_xxreal_0) \Leftrightarrow (\neg r1_xxreal_0 \ X1 \ X0))) \quad (4)$$

Assume the following.

$$((v2_xxreal_0 \ np_4) \wedge (m2_subset_1 \ np_4 \ k1_numbers \ k5_numbers)) \wedge ((m1_subset_1 \ np_4 \ k5_numbers) \wedge (m1_subset_1 \ np_4 \ k1_numbers)) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 \ X0) \wedge (v1_xxreal_0 \ X1)) \Rightarrow (k3_rcomp_1 \ X0 \ X1 = k2_xxreal_1 \ X0 \ X1) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0)\wedge(v1_xxreal_0 X1))\Rightarrow(k2_rcomp_1 X0 X1 = k4_xxreal_1 X0 X1) \quad (7)$$

Assume the following.

$$v3_membered\ k1_numbers \quad (8)$$

Assume the following.

$$v1_xxreal_0\ k1_xxreal_0 \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xxreal_0 X0)\wedge(v1_xxreal_0 X1))\Rightarrow((r1_xxreal_0 X0 X1)\vee(r1_xxreal_0 X1 X0)) \quad (10)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0)\Rightarrow(v1_xxreal_0 X0) \quad (11)$$

Assume the following.

$$\forall X0.(v3_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_xreal_0\ X1)) \quad (12)$$

Theorem 1

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