

t18_kurato_1

(TMTKz4HSTnhuWs71FBJyaaxBWivEPPFQt9U)

October 27, 2020

Let $k3_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_topmetr : \iota$ be given. Let $k2_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_kurato_1 : \iota$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_4 : \iota$ be given. Let $np_5 : \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xxreal_0 : \iota$ be given. Let $k1_seq_4 : \iota \Rightarrow \iota$ 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 $k5_numbers : \iota$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 k3_topmetr))) \Rightarrow \\ & (\forall X1.(v1_xreal_0 X1) \Rightarrow (\forall X2.(v1_xreal_0 X2) \Rightarrow (((\\ & r1_xxreal_0 X1 X2) \wedge (X0 = k4_subset_1 k1_numbers (k4_rcomp_1 k2_xxreal_0 \\ & X1) (k1_seq_4 X2)))) \Rightarrow (k3_subset_1 (u1_struct_0 k3_topmetr) X0 = \\ & k4_subset_1 k1_numbers (k2_rcomp_1 X1 X2) (k2_rcomp_1 X2 k1_xxreal_0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & k2_pre_topc k3_topmetr (k3_subset_1 (u1_struct_0 k3_topmetr) \\ & k6_kurato_1) = k4_subset_1 k1_numbers (k4_rcomp_1 k2_xxreal_0 \\ & np_4) (k1_seq_4 np_5) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_5) \wedge (m2_subset_1 np_5 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_5 k5_numbers) \wedge (m1_subset_1 np_5 k1_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_4) \wedge (m2_subset_1 np_4 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_4 k5_numbers) \wedge (m1_subset_1 np_4 k1_numbers)) \end{aligned} \quad (4)$$

Assume the following.

$$r1_xxreal_0 np_4 np_5 \quad (5)$$

Assume the following.

$$v3_membered\ k1_numbers \quad (6)$$

Assume the following.

$$m1_subset_1\ k6_kurato_1\ (k1_zfmisc_1\ (u1_struct_0\ k3_topmetr)) \quad (7)$$

Assume the following.

$$(v2_pre_topc\ k3_topmetr) \wedge (l1_pre_topc\ k3_topmetr) \quad (8)$$

Assume the following.

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

Assume the following.

$$\forall X0. \forall X1. ((l1_pre_topc\ X0) \wedge (m1_subset_1\ X1\ (k1_zfmisc_1\ (u1_struct_0\ X0)))) \Rightarrow (m1_subset_1\ (k2_pre_topc\ X0\ X1)\ (k1_zfmisc_1\ (u1_struct_0\ X0))) \quad (10)$$

Assume the following.

$$\forall X0. (v3_membered\ X0) \Rightarrow (\forall X1. (m1_subset_1\ X1\ X0) \Rightarrow (v1_xreal_0\ X1)) \quad (11)$$

Theorem 1

$$k3_subset_1\ (u1_struct_0\ k3_topmetr)\ (k2_pre_topc\ k3_topmetr\ (k3_subset_1\ (u1_struct_0\ k3_topmetr)\ k6_kurato_1)) = k4_subset_1\ k1_numbers\ (k2_rcomp_1\ np_4\ np_5)\ (k2_rcomp_1\ np_5\ k1_xreal_0)$$