

t25_kurato_1 (TMYHZVxRpPTDCtGpMZvMTf- BnMZNgdMP6Mwt)

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Let $k1_tops_1 : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_4 : \iota$ be given. Let $k1_xxreal_0 : \iota$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $np_5 : \iota$ be given. Let $k3_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Assume the following.

$$k1_tops_1 \ k3_topmetr \ k6_kurato_1 = k4_subset_1 \ k1_numbers \ (k2_rcomp_1 \ np_4 \ np_5) \ (k2_rcomp_1 \ np_5 \ k1_xxreal_0) \quad (1)$$

Assume the following.

$$\begin{aligned} & k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ (k2_pre_topc \ k3_topmetr \\ & (k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ (k2_pre_topc \ k3_topmetr \\ & (k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ (k2_pre_topc \ k3_topmetr \\ & (k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ k6_kurato_1)))))) = k2_rcomp_1 \\ & \quad np_4 \ k1_xxreal_0 \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ (k2_pre_topc \ k3_topmetr \\ & (k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ k6_kurato_1)) = k4_subset_1 \\ & \quad k1_numbers \ (k2_rcomp_1 \ np_4 \ np_5) \ (k2_rcomp_1 \ np_5 \ k1_xxreal_0) \end{aligned} \quad (3)$$

Assume the following.

$$u1_struct_0 \ k3_topmetr = k1_numbers \quad (4)$$

Assume the following.

$$m1_subset_1 \ k6_kurato_1 \ (k1_zfmisc_1 \ (u1_struct_0 \ k3_topmetr)) \quad (5)$$

Assume the following.

$$(v2_pre_topc \ k3_topmetr) \wedge (l1_pre_topc \ k3_topmetr) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0))\Rightarrow(m1_subset_1 (k3_subset_1 X0 X1) (k1_zfmisc_1 X0)) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.((l1_pre_topc X0)\wedge(m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 X0))))\Rightarrow(m1_subset_1 (k2_pre_topc X0 X1) (k1_zfmisc_1 (u1_struct_0 X0))) \quad (8)$$

Assume the following.

$$\forall X0.(l1_pre_topc X0)\Rightarrow(\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 X0)))\Rightarrow(k1_tops_1 X0 X1 = k3_subset_1 (u1_struct_0 X0) (k2_pre_topc X0 (k3_subset_1 (u1_struct_0 X0) X1)))) \quad (9)$$

Theorem 1

$$k1_tops_1 k3_topmetr (k2_pre_topc k3_topmetr (k1_tops_1 k3_topmetr k6_kurato_1)) = k2_rcomp_1 np_4 k1_xreal_0$$