

t4_pcomps_1 (TMMFAyRCfWUaQN- wFZM3TwZi5qPGjL3Yr8PY)

October 27, 2020

Let $u1_pre_topc : \iota \Rightarrow \iota$ be given. Let $k1_compts_1 : \iota \Rightarrow \iota$ be given. Let $k9_setfam_1 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $g1_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_pre_topc : \iota \Rightarrow o$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_subset_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. k9_setfam_1 X0 = k1_zfmisc_1 X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0))) \Rightarrow (\forall X2. \forall X3. (g1_pre_topc X0 X1 = g1_pre_topc X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \quad (2)$$

Assume the following.

$$\forall X0. (v1_pre_topc (k1_compts_1 X0)) \wedge (v2_pre_topc (k1_compts_1 X0)) \quad (3)$$

Assume the following.

$$\forall X0. (l1_pre_topc X0) \Rightarrow (m1_subset_1 (u1_pre_topc X0) (k1_zfmisc_1 (k1_zfmisc_1 (u1_struct_0 X0)))) \quad (4)$$

Assume the following.

$$\forall X0. l1_pre_topc (k1_compts_1 X0) \quad (5)$$

Assume the following.

$$\forall X0. k1_compts_1 X0 = g1_pre_topc X0 (k2_subset_1 (k9_setfam_1 X0)) \quad (6)$$

Assume the following.

$$\forall X0. k2_subset_1 X0 = X0 \quad (7)$$

Assume the following.

$$\forall X0.(l1_pre_topc\ X0) \Rightarrow ((v1_pre_topc\ X0) \Rightarrow (X0 = g1_pre_topc\ (u1_struct_0\ X0)\ (u1_pre_topc\ X0))) \quad (8)$$

Theorem 1 $\forall X0.u1_pre_topc\ (k1_compts_1\ X0) = k9_setfam_1\ X0.$