t5_pcomps_1 (TMVRVKAYFty3fYfE9CHLU2Nmgj1XSJnen4X)

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Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_compts\_1 : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $g1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $u1\_pre\_topc : \iota \Rightarrow \iota$ be given. Let $k2\_subset\_1 : \iota \Rightarrow \iota$ be given. Let $k9\_setfam\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k1\_zfmisc\_1\ X0))) \Rightarrow (\forall X2.\forall X3.(g1\_pre\_topc\ X0\ X1 = g1\_pre\_topc\ X2\ X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_pre\_topc\ (k1\_compts\_1\ X0)) \wedge (v2\_pre\_topc\ (k1\_compts\_1\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow (m1\_subset\_1\ (u1\_pre\_topc\ X0)\ (k1\_zfmisc\_1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))) \tag{3}$$

Assume the following.

$$\forall X0.l1\_pre\_topc\ (k1\_compts\_1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.k1\_compts\_1\ X0 = g1\_pre\_topc\ X0\ (k2\_subset\_1\ (k9\_setfam\_1\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.k2\_subset\_1\ X0 = X0 \tag{6}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow ((v1\_pre\_topc\ X0) \Rightarrow (X0 = g1\_pre\_topc\ (u1\_struct\_0\ X0)\ (u1\_pre\_topc\ X0))) \tag{7}$$

Theorem 1 $\forall X0.u1\_struct\_0\ (k1\_compts\_1\ X0) = X0$.