

t6_pcomps_1 (TM-
dRZhgxKef7asAFmiNeMpv2hFbxEvkTR2N)

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Let $v1_compts_1 : \iota \Rightarrow o$ be given. Let $k1_compts_1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v8_struct_0 : \iota \Rightarrow o$ 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. Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (v8_struct_0 (k1_compts_1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.v1_finset_1 (k1_tarski X0) \quad (2)$$

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.

$$\forall X0.l1_pre_topc (k1_compts_1 X0) \quad (4)$$

Assume the following.

$$\forall X0.(l1_pre_topc X0) \Rightarrow (((v8_struct_0 X0) \wedge (v2_pre_topc X0)) \Rightarrow ((v2_pre_topc X0) \wedge (v1_compts_1 X0))) \quad (5)$$

Theorem 1 $\forall X0.v1_compts_1 (k1_compts_1 (k1_tarski X0))$.