

t2_pcs_0
(TMXtgAvPNRVQQ7r8V8JiYiHhqEtgTr4jmi7)

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Let $l1_pcs_0 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $g1_pcs_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u1_pcs_0 : \iota \Rightarrow \iota$ be given. Let $k5_pcs_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Let $v2_pcs_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0.((v2_struct_0 X0) \wedge (l1_struct_0 X0)) \Rightarrow (v1_xboole_0 (u1_struct_0 X0)) \quad (3)$$

Assume the following.

$$(v2_struct_0 k5_pcs_0) \wedge (v2_pcs_0 k5_pcs_0) \quad (4)$$

Assume the following.

$$\forall X0.(l1_pcs_0 X0) \Rightarrow (m1_subset_1 (u1_pcs_0 X0) (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 X0) (u1_struct_0 X0)))) \quad (5)$$

Assume the following.

$$\forall X0.(l1_pcs_0 X0) \Rightarrow (l1_struct_0 X0) \quad (6)$$

Assume the following.

$$l1_pcs_0 k5_pcs_0 \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.(v1_xboole_0 X0) \Rightarrow (\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))) \Rightarrow (v1_xboole_0 X2)) \quad (8)$$

Assume the following.

$$\forall X0.(l1_pcs_0 X0) \Rightarrow ((v2_pcs_0 X0) \Rightarrow (X0 = g1_pcs_0 (u1_struct_0 X0) (u1_pcs_0 X0))) \quad (9)$$

Theorem 1

$$\forall X0.(l1_pcs_0 X0) \Rightarrow ((v2_struct_0 X0) \Rightarrow (g1_pcs_0 (u1_struct_0 X0) (u1_pcs_0 X0) = k5_pcs_0))$$