

t25_ami_3 (TM-
cfZM7qhHmqPHKaZWuMBpjcxGwiNi8rsNd)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_compos_1 : \iota \Rightarrow \iota$ be given. Let $k1_ami_3 : \iota$ be given. Let $v2_extpro_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_2 : \iota$ be given. Let $k2_compos_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k3_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k3_scm_inst : \iota$ be given. Let $v5_compos_0 : \iota \Rightarrow o$ be given. Let $l1_compos_1 : \iota \Rightarrow o$ be given. Let $v1_compos_0 : \iota \Rightarrow o$ be given. Let $v2_compos_0 : \iota \Rightarrow o$ be given. Let $v3_compos_0 : \iota \Rightarrow o$ be given. Let $l1_extpro_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_memstr_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_extpro_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_compos_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$k6_numbers = k1_xboole_0 \tag{1}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (u1_compos_1 k1_ami_3)) \Rightarrow ((v2_extpro_1 X0 np_2 k1_ami_3) \Rightarrow (X0 = k3_xtuple_0 k6_numbers k1_xboole_0 k1_xboole_0)) \tag{2}$$

Assume the following.

$$(\neg v1_xboole_0 k3_scm_inst) \wedge (v5_compos_0 k3_scm_inst) \tag{3}$$

Assume the following.

$$\forall X0.(l1_compos_1 X0) \Rightarrow ((v1_compos_0 (u1_compos_1 X0)) \wedge ((v2_compos_0 (u1_compos_1 X0)) \wedge ((v3_compos_0 (u1_compos_1 X0)) \wedge (v5_compos_0 (u1_compos_1 X0)))))) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(l1_extpro_1 X1 X0) \Rightarrow ((l1_memstr_0 X1 X0) \wedge (l1_compos_1 X1)) \tag{5}$$

Assume the following.

$$(v1_extpro_1 k1_ami_3 np_2) \wedge (l1_extpro_1 k1_ami_3 np_2) \tag{6}$$

Assume the following.

$$\forall X0.(v5_compos_0 X0) \Rightarrow (k6_compos_0 X0 = k3_xtuple_0 k6_numbers \\ k1_xboole_0 k1_xboole_0) \tag{7}$$

Assume the following.

$$\forall X0.(l1_compos_1 X0) \Rightarrow (k2_compos_1 X0 = k6_compos_0 (u1_compos_1 \\ X0)) \tag{8}$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 (u1_compos_1 k1_ami_3)) \Rightarrow ((v2_extpro_1 \\ X0 np_2 k1_ami_3) \Rightarrow (X0 = k2_compos_1 k1_ami_3))$$