

t2_instalg1

(TMam4VJuHmsD3rzbHp5R6LJf9rwkCds24eB)

October 27, 2020

Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v11_struct_0 : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $l3_msualg_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_pzfmisc1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u3_msualg_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_msualg_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge ((\neg v11_struct_0 X0) \wedge (l1_msualg_1 \\ & \quad X0))) \Rightarrow (\forall X1. (m1_subset_1 X1 (u4_struct_0 X0)) \Rightarrow (\forall X2. \\ & \quad (l3_msualg_1 X2 X0) \Rightarrow (\forall X3. (l3_msualg_1 X3 X0) \Rightarrow (\neg (r1_pzfmisc1 \\ & \quad (u1_struct_0 X0) (u3_msualg_1 X0 X2) (u3_msualg_1 X0 X3)) \wedge ((k3_msualg_1 \\ & \quad X0 X1 X2 \neq k1_xboole_0) \wedge (k3_msualg_1 X0 X1 X3 = k1_xboole_0)))))) \\ & \hspace{15em} (1) \end{aligned}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge ((\neg v11_struct_0 X0) \wedge (l1_msualg_1 \\ & \quad X0))) \Rightarrow (\forall X1. (l3_msualg_1 X1 X0) \Rightarrow (\forall X2. (l3_msualg_1 \\ & \quad X2 X0) \Rightarrow ((r1_pzfmisc1 (u1_struct_0 X0) (u3_msualg_1 X0 X1) (u3_msualg_1 \\ & \quad X0 X2)) \Rightarrow (\forall X3. (m1_subset_1 X3 (u4_struct_0 X0)) \Rightarrow (\neg (k3_msualg_1 \\ & \quad X0 X3 X1 \neq k1_xboole_0) \wedge (k3_msualg_1 X0 X3 X2 = k1_xboole_0)))))) \end{aligned}$$