

t12_waybel21
(TMKi1jUQ6ED4e6fhr1iKqjLAVzNALQwofvE)

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Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $m1_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $g1_orders_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u1_orders_2 : \iota \Rightarrow \iota$ be given. Let $v4_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ 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. Let $k1_toler_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\ X0 X0))) \Rightarrow (\forall X2. \forall X3. (g1_orders_2 X0 X1 = g1_orders_2 \\ X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. (l1_orders_2 X0) \Rightarrow (m1_subset_1 (u1_orders_2 X0) (k1_zfmisc_1 \\ (k2_zfmisc_1 (u1_struct_0 X0) (u1_struct_0 X0)))) \quad (2)$$

Assume the following.

$$\forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. (m1_yellow_0 X1 X0) \Rightarrow \\ (l1_orders_2 X1)) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. (m1_yellow_0 X1 X0) \Rightarrow \\ ((v4_yellow_0 X1 X0) \Leftrightarrow (u1_orders_2 X1 = k1_toler_1 (u1_orders_2 \\ X0) (u1_struct_0 X1)))) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. (l1_orders_2 X1) \Rightarrow ((\\ m1_yellow_0 X1 X0) \Leftrightarrow ((r1_tarski (u1_struct_0 X1) (u1_struct_0 \\ X0)) \wedge (r1_tarski (u1_orders_2 X1) (u1_orders_2 X0)))))) \end{aligned} \quad (5)$$

Theorem 1

$$\begin{aligned} & \forall X0.(l1_orders_2\ X0) \Rightarrow (\forall X1.(l1_orders_2\ X1) \Rightarrow (\forall X2. \\ & (l1_orders_2\ X2) \Rightarrow (\forall X3.(m1_yellow_0\ X3\ X0) \Rightarrow (((g1_orders_2 \\ & (u1_struct_0\ X0)\ (u1_orders_2\ X0) = g1_orders_2\ (u1_struct_0\ X1) \\ & (u1_orders_2\ X1)) \wedge (g1_orders_2\ (u1_struct_0\ X3)\ (u1_orders_2 \\ & X3) = g1_orders_2\ (u1_struct_0\ X2)\ (u1_orders_2\ X2))) \Rightarrow ((m1_yellow_0 \\ & X2\ X1) \wedge ((v4_yellow_0\ X3\ X0) \Rightarrow ((v4_yellow_0\ X2\ X1) \wedge (m1_yellow_0 \\ & X2\ X1))))))))) \end{aligned}$$