

t4_yellow_6
(TMTkTa2xwEc6rJDbRSj6g5ppevXz3P349q1)

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Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_yellow_6 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $g1_orders_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_orders_2 : \iota \Rightarrow \iota$ be given. Let $v6_waybel_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_waybel_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r2_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_waybel_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0))) \Rightarrow (\forall X2. \forall X3. (g1_orders_2 X0 X1 = g1_orders_2 X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \quad (1)$$

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.

$$\forall X0. \forall X1. \forall X2. ((l1_orders_2 X0) \wedge (((\neg v2_struct_0 X1) \wedge (l1_struct_0 X1)) \wedge (m1_subset_1 X2 (u1_struct_0 X1)))) \Rightarrow ((v6_waybel_0 (k3_yellow_6 X0 X1 X2) X1) \wedge (l1_waybel_0 (k3_yellow_6 X0 X1 X2) X1)) \quad (3)$$

Assume the following.

$$\forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. ((\neg v2_struct_0 X1) \wedge (l1_struct_0 X1)) \Rightarrow (\forall X2. (m1_subset_1 X2 (u1_struct_0 X1)) \Rightarrow (\forall X3. ((v6_waybel_0 X3 X1) \wedge (l1_waybel_0 X3 X1)) \Rightarrow ((X3 = k3_yellow_6 X0 X1 X2) \Leftrightarrow ((g1_orders_2 (u1_struct_0 X3) (u1_orders_2 X3) = g1_orders_2 (u1_struct_0 X0) (u1_orders_2 X0)) \wedge (r2_funct_2 (u1_struct_0 X3) (u1_struct_0 X1) (u1_waybel_0 X1 X3) (k8_funcop_1 (u1_struct_0 X1) (u1_struct_0 X3) X2))))))) \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0.(l1_orders_2 X0) \Rightarrow (\forall X1.((\neg v2_struct_0 X1) \wedge \\ & (l1_struct_0 X1)) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 X1)) \Rightarrow \\ & (u1_struct_0 (k3_yellow_6 X0 X1 X2) = u1_struct_0 X0))) \end{aligned}$$