

t9_waybel30 (TM-
Fygd1PSmRYBZUBbvYGupeq4yAHfq2FCJW)

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Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $v3_orders_2 : \iota \Rightarrow o$ be given. Let $v4_orders_2 : \iota \Rightarrow o$ be given. Let $v5_orders_2 : \iota \Rightarrow o$ be given. Let $v1_lattice3 : \iota \Rightarrow o$ be given. Let $v2_lattice3 : \iota \Rightarrow o$ be given. Let $v3_lattice3 : \iota \Rightarrow o$ be given. Let $v2_waybel19 : \iota \Rightarrow o$ be given. Let $l1_waybel_9 : \iota \Rightarrow o$ be given. Let $k2_waybel19 : \iota \Rightarrow \iota$ be given. Let $u1_pre_topc : \iota \Rightarrow \iota$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $m1_yellow_9 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $g1_orders_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_orders_2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(l1_waybel_9 X0) \Rightarrow ((l1_pre_topc X0) \wedge (l1_orders_2 X0)) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. & ((v3_orders_2 X0) \wedge ((v4_orders_2 X0) \wedge ((v5_orders_2 \\ & X0) \wedge ((v1_lattice3 X0) \wedge ((v2_lattice3 X0) \wedge ((v3_lattice3 X0) \wedge \\ & (l1_orders_2 X0))))))) \Rightarrow (m1_subset_1 (k2_waybel19 X0) (k1_zfmisc_1 \\ & (k1_zfmisc_1 (u1_struct_0 X0)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(l1_orders_2 X0) \Rightarrow (\forall X1.(l1_waybel_9 X1) \Rightarrow ((m1_yellow_9 X1 X0) \Leftrightarrow (g1_orders_2 (u1_struct_0 X1) (u1_orders_2 X1) = g1_orders_2 (u1_struct_0 X0) (u1_orders_2 X0)))) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. & ((v3_orders_2 X0) \wedge ((v4_orders_2 X0) \wedge ((v5_orders_2 \\ & X0) \wedge ((v1_lattice3 X0) \wedge ((v2_lattice3 X0) \wedge ((v3_lattice3 X0) \wedge \\ & (l1_orders_2 X0))))))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & (k1_zfmisc_1 (u1_struct_0 X0)))) \Rightarrow ((X1 = k2_waybel19 X0) \Leftrightarrow (\forall X2. \\ & ((v2_pre_topc X2) \wedge ((v2_waybel19 X2) \wedge (m1_yellow_9 X2 X0)) \Rightarrow (\\ & X1 = u1_pre_topc X2)))))) \end{aligned} \quad (4)$$

Theorem 1

$$\begin{aligned} \forall X0. (& (v2_pre_topc\ X0) \wedge ((v3_orders_2\ X0) \wedge ((v4_orders_2 \\ & X0) \wedge ((v5_orders_2\ X0) \wedge ((v1_lattice3\ X0) \wedge ((v2_lattice3\ X0) \wedge \\ & ((v3_lattice3\ X0) \wedge ((v2_waybel19\ X0) \wedge (l1_waybel_9\ X0))))))) \Rightarrow \\ & (k2_waybel19\ X0 = u1_pre_topc\ X0) \end{aligned}$$