

t62_yellow_5 (TMPsAxDeu- umYz3SPGpQ1HSgipXPyXvTUWHK)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v11_waybel_1 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $k7_waybel_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_yellow_0 : \iota \Rightarrow \iota$ be given. Let $k4_yellow_0 : \iota \Rightarrow \iota$ be given. Let $v9_waybel_1 : \iota \Rightarrow o$ be given. Let $v1_yellow_0 : \iota \Rightarrow o$ 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 $v3_yellow_0 : \iota \Rightarrow o$ be given. Let $v2_waybel_1 : \iota \Rightarrow o$ be given. Let $v10_waybel_1 : \iota \Rightarrow o$ be given. Let $v2_yellow_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. ((\neg v2_struct_0 X0) \wedge (l1_orders_2 X0)) \Rightarrow & (((v9_waybel_1 \\ X0) \wedge (v1_yellow_0 X0)) \Rightarrow & ((k7_waybel_1 X0 (k3_yellow_0 X0) = k4_yellow_0 \\ X0) \wedge (k7_waybel_1 X0 (k4_yellow_0 X0) = k3_yellow_0 X0))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (l1_orders_2 X0) \Rightarrow & (((\neg v2_struct_0 X0) \wedge (v11_waybel_1 \\ X0)) \Rightarrow & (((\neg v2_struct_0 X0) \wedge (v3_orders_2 X0) \wedge (v4_orders_2 X0) \wedge \\ (v5_orders_2 X0) \wedge & (v1_lattice3 X0) \wedge (v2_lattice3 X0) \wedge (v3_yellow_0 \\ X0) \wedge & (v2_waybel_1 X0) \wedge (v10_waybel_1 X0)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. (l1_orders_2 X0) \Rightarrow ((v3_yellow_0 X0) \Rightarrow ((v1_yellow_0 X0) \wedge (v2_yellow_0 X0))) \quad (3)$$

Assume the following.

$$\forall X0. (l1_orders_2 X0) \Rightarrow (((\neg v2_struct_0 X0) \wedge (v11_waybel_1 X0)) \Rightarrow ((\neg v2_struct_0 X0) \wedge (v9_waybel_1 X0))) \quad (4)$$

Theorem 1

$$\forall X0. ((\neg v2_struct_0 X0) \wedge ((v11_waybel_1 X0) \wedge (l1_orders_2 X0))) \Rightarrow (k7_waybel_1 X0 (k3_yellow_0 X0) = k4_yellow_0 X0)$$