

t23_waybel13

(TMGcbfSK68GQupH1p9SprVooM7prcjLDA1i)

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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 $v1_yellow_0 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $k2_yellow_1 : \iota \Rightarrow \iota$ be given. Let $k7_waybel_0 : \iota \Rightarrow \iota$ be given. Let $k1_waybel_8 : \iota \Rightarrow \iota$ be given. Let $v4_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_yellow_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v7_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_waybel_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
& \forall X0. ((v3_orders_2 X0) \wedge ((v4_orders_2 X0) \wedge ((v5_orders_2 \\
& X0) \wedge ((v1_lattice3 X0) \wedge ((v1_yellow_0 X0) \wedge (l1_orders_2 X0)))))) \Rightarrow \\
& ((\neg v2_struct_0 (k2_yellow_1 (k7_waybel_0 X0))) \wedge ((v4_yellow_0 \\
& (k2_yellow_1 (k7_waybel_0 X0)) (k3_yellow_1 (u1_struct_0 X0))) \wedge \\
& ((v7_yellow_0 (k2_yellow_1 (k7_waybel_0 X0)) (k3_yellow_1 (u1_struct_0 \\
& X0))) \wedge ((v4_waybel_0 (k2_yellow_1 (k7_waybel_0 X0)) (k3_yellow_1 \\
& (u1_struct_0 X0))) \wedge (m1_yellow_0 (k2_yellow_1 (k7_waybel_0 X0)) \\
& (k3_yellow_1 (u1_struct_0 X0)))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0. ((v3_orders_2 X0) \wedge ((v4_orders_2 X0) \wedge ((v5_orders_2 \\
& X0) \wedge ((v1_lattice3 X0) \wedge ((v1_yellow_0 X0) \wedge (l1_orders_2 X0)))))) \Rightarrow \\
& ((v3_orders_2 (k1_waybel_8 X0)) \wedge ((v4_orders_2 (k1_waybel_8 \\
& X0)) \wedge ((v5_orders_2 (k1_waybel_8 X0)) \wedge ((v1_lattice3 (k1_waybel_8 \\
& X0)) \wedge ((v1_yellow_0 (k1_waybel_8 X0)) \wedge (l1_orders_2 (k1_waybel_8 \\
& X0)))))))))
\end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v3_orders_2 X0)\wedge((v4_orders_2 X0)\wedge((v5_orders_2 \\ & X0)\wedge((v1_lattice3 X0)\wedge((v1_yellow_0 X0)\wedge(l1_orders_2 X0))))))\Rightarrow \\ & ((\neg v2_struct_0 (k2_yellow_1 (k7_waybel_0 (k1_waybel_8 X0))))\wedge \\ & ((v4_yellow_0 (k2_yellow_1 (k7_waybel_0 (k1_waybel_8 X0))) (\\ & k3_yellow_1 (u1_struct_0 (k1_waybel_8 X0))))\wedge((v7_yellow_0 \\ & (k2_yellow_1 (k7_waybel_0 (k1_waybel_8 X0))) (k3_yellow_1 (u1_struct_0 \\ & (k1_waybel_8 X0))))\wedge((v4_waybel_0 (k2_yellow_1 (k7_waybel_0 \\ & (k1_waybel_8 X0))) (k3_yellow_1 (u1_struct_0 (k1_waybel_8 X0))))\wedge \\ & (m1_yellow_0 (k2_yellow_1 (k7_waybel_0 (k1_waybel_8 X0))) (k3_yellow_1 \\ & (u1_struct_0 (k1_waybel_8 X0))))))))) \end{aligned}$$