

t7_waybel25 (TMNRNmJiSnE- dUu3gvcHNva4yDJaTM2e6Q2S)

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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 $v2_lattice3 : \iota \Rightarrow o$ be given. Let $v3_lattice3 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v4_waybel11 : \iota \Rightarrow o$ be given. Let $m1_yellow_9 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r5_waybel_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_waybel18 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $r2_borsuk_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_waybel_9 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ X0))) \Rightarrow (\forall X1.((\neg v2_struct_0 X1) \wedge ((v2_pre_topc X1) \wedge (l1_pre_topc \\ X1))) \Rightarrow (((v2_waybel18 X0) \wedge (r2_borsuk_3 X0 X1)) \Rightarrow (v2_waybel18 \\ X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.((v3_orders_2 X0) \wedge ((v4_orders_2 X0) \wedge ((v5_orders_2 \\ X0) \wedge ((v1_lattice3 X0) \wedge ((v2_lattice3 X0) \wedge ((v3_lattice3 X0) \wedge \\ (l1_orders_2 X0))))))) \Rightarrow (\forall X1.((v3_orders_2 X1) \wedge ((v4_orders_2 \\ X1) \wedge ((v5_orders_2 X1) \wedge ((v1_lattice3 X1) \wedge ((v2_lattice3 X1) \wedge \\ ((v3_lattice3 X1) \wedge (l1_orders_2 X1))))))) \Rightarrow (\forall X2.((v4_waybel11 \\ X2) \wedge (m1_yellow_9 X2 X0)) \Rightarrow (\forall X3.((v4_waybel11 X3) \wedge (m1_yellow_9 \\ X3 X1)) \Rightarrow ((r5_waybel_1 X0 X1) \Rightarrow (r2_borsuk_3 X2 X3)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(l1_orders_2 X0) \Rightarrow (\forall X1.(m1_yellow_9 X1 X0) \Rightarrow (l1_waybel_9 X1)) \quad (3)$$

Assume the following.

$$\forall X0.(l1_waybel_9 X0) \Rightarrow ((l1_pre_topc X0) \wedge (l1_orders_2 X0)) \quad (4)$$

Assume the following.

$$\forall X0.((v3_orders_2 X0)\wedge((v4_orders_2 X0)\wedge((v5_orders_2 X0)\wedge((v1_lattice3 X0)\wedge((v2_lattice3 X0)\wedge((v3_lattice3 X0)\wedge(l1_orders_2 X0))))))\Rightarrow(\forall X1.(m1_yellow_9 X1 X0)\Rightarrow((v4_waybel11 X1)\Rightarrow(v2_pre_topc X1))) \quad (5)$$

Assume the following.

$$\forall X0.((\neg v2_struct_0 X0)\wedge(l1_orders_2 X0))\Rightarrow(\forall X1.(m1_yellow_9 X1 X0)\Rightarrow(\neg v2_struct_0 X1)) \quad (6)$$

Assume the following.

$$\forall X0.(l1_orders_2 X0)\Rightarrow((v1_lattice3 X0)\Rightarrow(\neg v2_struct_0 X0)) \quad (7)$$

Theorem 1

$$\forall X0.((v3_orders_2 X0)\wedge((v4_orders_2 X0)\wedge((v5_orders_2 X0)\wedge((v1_lattice3 X0)\wedge((v2_lattice3 X0)\wedge((v3_lattice3 X0)\wedge(l1_orders_2 X0))))))\Rightarrow(\forall X1.((v3_orders_2 X1)\wedge((v4_orders_2 X1)\wedge((v5_orders_2 X1)\wedge((v1_lattice3 X1)\wedge((v2_lattice3 X1)\wedge((v3_lattice3 X1)\wedge(l1_orders_2 X1))))))\Rightarrow(\forall X2.((v4_waybel11 X2)\wedge(m1_yellow_9 X2 X0))\Rightarrow(\forall X3.((v4_waybel11 X3)\wedge(m1_yellow_9 X3 X1))\Rightarrow(((r5_waybel_1 X0 X1)\wedge(v2_waybel18 X2))\Rightarrow(v2_waybel18 X3))))))$$