

t47_cc0sp2 (TMZYmuNaxhYBTWQKfsoeMk-
TZb619YsskYyQ)

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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 $k9_cc0sp2 : \iota \Rightarrow \iota$ be given. Let $v13_algstr_0 : \iota \Rightarrow o$ be given. Let $v2_rlvect_1 : \iota \Rightarrow o$ be given. Let $v3_rlvect_1 : \iota \Rightarrow o$ be given. Let $v4_rlvect_1 : \iota \Rightarrow o$ be given. Let $v3_normsp_0 : \iota \Rightarrow o$ be given. Let $v4_normsp_0 : \iota \Rightarrow o$ be given. Let $v2_clvect_1 : \iota \Rightarrow o$ be given. Let $v3_clvect_1 : \iota \Rightarrow o$ be given. Let $v4_clvect_1 : \iota \Rightarrow o$ be given. Let $v5_clvect_1 : \iota \Rightarrow o$ be given. Let $v8_clvect_1 : \iota \Rightarrow o$ be given. Let $l2_clvect_1 : \iota \Rightarrow o$ be given. Let $v7_clvect_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow ((v13_algstr_0 (k9_cc0sp2 X0)) \wedge ((v2_rlvect_1 (k9_cc0sp2 \\ &X0)) \wedge ((v3_rlvect_1 (k9_cc0sp2 X0)) \wedge ((v4_rlvect_1 (k9_cc0sp2 \\ &X0)) \wedge ((v3_normsp_0 (k9_cc0sp2 X0)) \wedge ((v4_normsp_0 (k9_cc0sp2 \\ &X0)) \wedge ((v2_clvect_1 (k9_cc0sp2 X0)) \wedge ((v3_clvect_1 (k9_cc0sp2 \\ &X0)) \wedge ((v4_clvect_1 (k9_cc0sp2 X0)) \wedge ((v5_clvect_1 (k9_cc0sp2 \\ &X0)) \wedge (v8_clvect_1 (k9_cc0sp2 X0))))))))))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow ((\neg v2_struct_0 (k9_cc0sp2 X0)) \wedge (v7_clvect_1 (k9_cc0sp2 \\ &X0))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow (l2_clvect_1 (k9_cc0sp2 X0)) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ X0))) \Rightarrow (&(\neg v2_struct_0 (k9_cc0sp2 X0)) \wedge ((v13_algstr_0 (k9_cc0sp2 \\ X0)) \wedge ((v2_rlvect_1 (k9_cc0sp2 X0)) \wedge ((v3_rlvect_1 (k9_cc0sp2 \\ X0)) \wedge ((v4_rlvect_1 (k9_cc0sp2 X0)) \wedge ((v3_normsp_0 (k9_cc0sp2 \\ X0)) \wedge ((v4_normsp_0 (k9_cc0sp2 X0)) \wedge ((v2_clvect_1 (k9_cc0sp2 \\ X0)) \wedge ((v3_clvect_1 (k9_cc0sp2 X0)) \wedge ((v4_clvect_1 (k9_cc0sp2 \\ X0)) \wedge ((v5_clvect_1 (k9_cc0sp2 X0)) \wedge ((v8_clvect_1 (k9_cc0sp2 \\ X0)) \wedge (l2_clvect_1 (k9_cc0sp2 X0)))))))))))))) \end{aligned}$$