

t36_c0sp2
(TMGw12iHjmpfBuLXP7qZEKHRV1kDcsnxDHT)

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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 $k9_c0sp2 : \iota \Rightarrow \iota$ 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 $v5_rlvect_1 : \iota \Rightarrow o$ be given. Let $v6_rlvect_1 : \iota \Rightarrow o$ be given. Let $v7_rlvect_1 : \iota \Rightarrow o$ be given. Let $v8_rlvect_1 : \iota \Rightarrow o$ be given. Let $v3_normsp_0 : \iota \Rightarrow o$ be given. Let $v4_normsp_0 : \iota \Rightarrow o$ be given. Let $v2_normsp_1 : \iota \Rightarrow o$ be given. Let $l1_normsp_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow ((\neg v2_struct_0 (k9_c0sp2 X0)) \wedge (v13_algstr_0 (k9_c0sp2 \\ &X0)) \wedge (v2_rlvect_1 (k9_c0sp2 X0)) \wedge (v3_rlvect_1 (k9_c0sp2 X0)) \wedge \\ &((v4_rlvect_1 (k9_c0sp2 X0)) \wedge (v5_rlvect_1 (k9_c0sp2 X0)) \wedge \\ &(v6_rlvect_1 (k9_c0sp2 X0)) \wedge (v7_rlvect_1 (k9_c0sp2 X0)) \wedge ((\\ &v8_rlvect_1 (k9_c0sp2 X0)) \wedge (v3_normsp_0 (k9_c0sp2 X0)) \wedge (v4_normsp_0 \\ &(k9_c0sp2 X0)) \wedge (v2_normsp_1 (k9_c0sp2 X0))))))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow ((\neg v2_struct_0 (k9_c0sp2 X0)) \wedge (l1_normsp_1 (k9_c0sp2 \\ &X0))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0. (&(\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\ &X0))) \Rightarrow ((\neg v2_struct_0 (k9_c0sp2 X0)) \wedge (v13_algstr_0 (k9_c0sp2 \\ &X0)) \wedge (v2_rlvect_1 (k9_c0sp2 X0)) \wedge (v3_rlvect_1 (k9_c0sp2 X0)) \wedge \\ &((v4_rlvect_1 (k9_c0sp2 X0)) \wedge (v5_rlvect_1 (k9_c0sp2 X0)) \wedge \\ &(v6_rlvect_1 (k9_c0sp2 X0)) \wedge (v7_rlvect_1 (k9_c0sp2 X0)) \wedge ((\\ &v8_rlvect_1 (k9_c0sp2 X0)) \wedge (v3_normsp_0 (k9_c0sp2 X0)) \wedge (v4_normsp_0 \\ &(k9_c0sp2 X0)) \wedge (v2_normsp_1 (k9_c0sp2 X0)) \wedge (l1_normsp_1 (k9_c0sp2 \\ &X0))))))))) \end{aligned}$$