

t2_csspace3
(TMZc7zkkoXgnEx8u83dH95vmPB6yvY1h5Tr)

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Let $l2_clvect_1 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $g1_clvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u2_struct_0 : \iota \Rightarrow \iota$ be given. Let $u1_algstr_0 : \iota \Rightarrow \iota$ be given. Let $u1_clvect_1 : \iota \Rightarrow \iota$ 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 $v2_clvect_1 : \iota \Rightarrow o$ 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 $l1_clvect_1 : \iota \Rightarrow o$ be given. Let $l2_normsp_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
& \forall X0.(l1_clvect_1 X0) \Rightarrow (((\neg v2_struct_0 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v13_algstr_0 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v2_rlvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v3_rlvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v4_rlvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v2_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v3_clvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v4_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v5_clvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (l1_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0)))))))))) \Rightarrow ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 \\
& X0) \wedge ((v2_rlvect_1 X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge \\
& ((v2_clvect_1 X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 X0) \wedge ((v5_clvect_1 \\
& X0) \wedge (l1_clvect_1 X0))))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(l2_clvect_1 X0) \Rightarrow ((l1_clvect_1 X0) \wedge (l2_normsp_0 X0)) \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. (& l2_clvect_1 X0) \Rightarrow (((\neg v2_struct_0 (g1_clvect_1 (u1_struct_0 \\ X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (& (v13_algstr_0 \\ (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\ (u1_clvect_1 X0))) \wedge (& (v2_rlvect_1 (g1_clvect_1 (u1_struct_0 \\ X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (& (v3_rlvect_1 \\ (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\ (u1_clvect_1 X0))) \wedge (& (v4_rlvect_1 (g1_clvect_1 (u1_struct_0 \\ X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (& (v2_clvect_1 \\ (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\ (u1_clvect_1 X0))) \wedge (& (v3_clvect_1 (g1_clvect_1 (u1_struct_0 \\ X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (& (v4_clvect_1 \\ (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\ (u1_clvect_1 X0))) \wedge (& (v5_clvect_1 (g1_clvect_1 (u1_struct_0 \\ X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (& (l1_clvect_1 \\ (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\ (u1_clvect_1 X0)))))))))) \Rightarrow ((\neg v2_struct_0 X0) \wedge (& (v13_algstr_0 \\ X0) \wedge (& (v2_rlvect_1 X0) \wedge (& (v3_rlvect_1 X0) \wedge (& (v4_rlvect_1 X0) \wedge \\ ((v2_clvect_1 X0) \wedge (& (v3_clvect_1 X0) \wedge (& (v4_clvect_1 X0) \wedge (& (v5_clvect_1 \\ X0) \wedge (& (l1_clvect_1 X0)))))))))) \end{aligned}$$