

t16_clopban2 (TMScFsYLvWEerYetgP- paVVTRgML2CmQqf8M)

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Let $v2_struct_0 : \iota \Rightarrow o$ 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 $k8_clopban2 : \iota \Rightarrow \iota$ be given. Let $v3_group_1 : \iota \Rightarrow o$ be given. Let $v1_vectsp_1 : \iota \Rightarrow o$ be given. Let $v3_vectsp_1 : \iota \Rightarrow o$ be given. Let $v2_cfuncdom : \iota \Rightarrow o$ be given. Let $l1_cfuncdom : \iota \Rightarrow o$ be given. Let $v1_cfuncdom : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
& \forall X0. ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge ((v2_rlvect_1 \\
& X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v3_normsp_0 X0) \wedge \\
& ((v4_normsp_0 X0) \wedge ((v2_clvect_1 X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 \\
& X0) \wedge ((v5_clvect_1 X0) \wedge ((v8_clvect_1 X0) \wedge (l2_clvect_1 X0)))))))))) \Rightarrow \\
& ((v13_algstr_0 (k8_clopban2 X0)) \wedge ((v2_rlvect_1 (k8_clopban2 \\
& X0)) \wedge ((v3_rlvect_1 (k8_clopban2 X0)) \wedge ((v4_rlvect_1 (k8_clopban2 \\
& X0)) \wedge ((v2_clvect_1 (k8_clopban2 X0)) \wedge ((v3_clvect_1 (k8_clopban2 \\
& X0)) \wedge ((v4_clvect_1 (k8_clopban2 X0)) \wedge ((v3_group_1 (k8_clopban2 \\
& X0)) \wedge ((v1_vectsp_1 (k8_clopban2 X0)) \wedge ((v3_vectsp_1 (k8_clopban2 \\
& X0)) \wedge (v2_cfuncdom (k8_clopban2 X0))))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0. ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge ((v2_rlvect_1 \\
& X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v3_normsp_0 X0) \wedge \\
& ((v4_normsp_0 X0) \wedge ((v2_clvect_1 X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 \\
& X0) \wedge ((v5_clvect_1 X0) \wedge ((v8_clvect_1 X0) \wedge (l2_clvect_1 X0)))))))))) \Rightarrow \\
& ((\neg v2_struct_0 (k8_clopban2 X0)) \wedge (v1_cfuncdom (k8_clopban2 \\
& X0)))
\end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned}
& \forall X0. ((\neg v2_struct_0 X0) \wedge (v13_algstr_0 X0) \wedge (v2_rlvect_1 \\
& X0) \wedge (v3_rlvect_1 X0) \wedge (v4_rlvect_1 X0) \wedge (v3_normsp_0 X0) \wedge \\
& ((v4_normsp_0 X0) \wedge (v2_clvect_1 X0) \wedge (v3_clvect_1 X0) \wedge (v4_clvect_1 \\
& X0) \wedge (v5_clvect_1 X0) \wedge (v8_clvect_1 X0) \wedge (l2_clvect_1 X0)))))) \Rightarrow \\
& (l1_cfunclom (k8_clopan2 X0))
\end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned}
& \forall X0. ((\neg v2_struct_0 X0) \wedge (v13_algstr_0 X0) \wedge (v2_rlvect_1 \\
& X0) \wedge (v3_rlvect_1 X0) \wedge (v4_rlvect_1 X0) \wedge (v3_normsp_0 X0) \wedge \\
& ((v4_normsp_0 X0) \wedge (v2_clvect_1 X0) \wedge (v3_clvect_1 X0) \wedge (v4_clvect_1 \\
& X0) \wedge (v5_clvect_1 X0) \wedge (v8_clvect_1 X0) \wedge (l2_clvect_1 X0)))))) \Rightarrow \\
& ((\neg v2_struct_0 (k8_clopan2 X0)) \wedge (v13_algstr_0 (k8_clopan2 \\
& X0)) \wedge (v2_rlvect_1 (k8_clopan2 X0)) \wedge (v3_rlvect_1 (k8_clopan2 \\
& X0)) \wedge (v4_rlvect_1 (k8_clopan2 X0)) \wedge (v2_clvect_1 (k8_clopan2 \\
& X0)) \wedge (v3_clvect_1 (k8_clopan2 X0)) \wedge (v4_clvect_1 (k8_clopan2 \\
& X0)) \wedge (v3_group_1 (k8_clopan2 X0)) \wedge (v1_vectsp_1 (k8_clopan2 \\
& X0)) \wedge (v3_vectsp_1 (k8_clopan2 X0)) \wedge (v2_cfunclom (k8_clopan2 \\
& X0)) \wedge (l1_cfunclom (k8_clopan2 X0))))))
\end{aligned}$$