

l4_rsspace3 (TMXLHf- VAPkn6WLHYFLrsTC2SC8TMtSPnWz5)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $g1_rlvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_rsspace3 : \iota$ be given. Let $k10_rsspace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_rsspace : \iota$ be given. Let $k8_rsspace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_rsspace : \iota \Rightarrow \iota \Rightarrow \iota$ 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 $l1_rlvect_1 : \iota \Rightarrow o$ be given. Let $m1_rlsub_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_rlvect_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & m1_rlsub_1 (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace \\
 & k1_rsspace3) (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace \\
 & k7_rsspace k1_rsspace3)) k7_rsspace
 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& (v13_algstr_0 (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize \\
& k1_rssize3) (k8_rssize k7_rssize k1_rssize3) (k9_rssize \\
& k7_rssize k1_rssize3))) \wedge ((v1_rlvect_1 (g1_rlvect_1 k1_rssize3 \\
& (k10_rssize k7_rssize k1_rssize3) (k8_rssize k7_rssize \\
& k1_rssize3) (k9_rssize k7_rssize k1_rssize3))) \wedge ((v2_rlvect_1 \\
& (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize k1_rssize3) \\
& (k8_rssize k7_rssize k1_rssize3) (k9_rssize k7_rssize k1_rssize3))) \wedge \\
& ((v3_rlvect_1 (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize \\
& k1_rssize3) (k8_rssize k7_rssize k1_rssize3) (k9_rssize \\
& k7_rssize k1_rssize3))) \wedge ((v4_rlvect_1 (g1_rlvect_1 k1_rssize3 \\
& (k10_rssize k7_rssize k1_rssize3) (k8_rssize k7_rssize \\
& k1_rssize3) (k9_rssize k7_rssize k1_rssize3))) \wedge ((v5_rlvect_1 \\
& (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize k1_rssize3) \\
& (k8_rssize k7_rssize k1_rssize3) (k9_rssize k7_rssize k1_rssize3))) \wedge \\
& ((v6_rlvect_1 (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize \\
& k1_rssize3) (k8_rssize k7_rssize k1_rssize3) (k9_rssize \\
& k7_rssize k1_rssize3))) \wedge ((v7_rlvect_1 (g1_rlvect_1 k1_rssize3 \\
& (k10_rssize k7_rssize k1_rssize3) (k8_rssize k7_rssize \\
& k1_rssize3) (k9_rssize k7_rssize k1_rssize3))) \wedge (v8_rlvect_1 \\
& (g1_rlvect_1 k1_rssize3 (k10_rssize k7_rssize k1_rssize3) \\
& (k8_rssize k7_rssize k1_rssize3) (k9_rssize k7_rssize k1_rssize3))))))))) \\
& (2)
\end{aligned}$$

Assume the following.

$$\begin{aligned}
& (v13_algstr_0 k7_rssize) \wedge ((v2_rlvect_1 k7_rssize) \wedge ((v3_rlvect_1 \\
& k7_rssize) \wedge ((v4_rlvect_1 k7_rssize) \wedge ((v5_rlvect_1 k7_rssize) \wedge \\
& ((v6_rlvect_1 k7_rssize) \wedge ((v7_rlvect_1 k7_rssize) \wedge (v8_rlvect_1 \\
& k7_rssize))))))))) \\
& (3)
\end{aligned}$$

Assume the following.

$$(\neg v2_struct_0 k7_rssize) \wedge (v1_rlvect_1 k7_rssize) \quad (4)$$

Assume the following.

$$\begin{aligned}
& \forall X0. ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge ((v2_rlvect_1 \\
& X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v5_rlvect_1 X0) \wedge \\
& ((v6_rlvect_1 X0) \wedge ((v7_rlvect_1 X0) \wedge ((v8_rlvect_1 X0) \wedge (l1_rlvect_1 \\
& X0))))))))) \Rightarrow (\forall X1. (m1_rlsub_1 X1 X0) \Rightarrow ((\neg v2_struct_0 \\
& X1) \wedge ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge \\
& ((v4_rlvect_1 X1) \wedge ((v5_rlvect_1 X1) \wedge ((v6_rlvect_1 X1) \wedge ((v7_rlvect_1 \\
& X1) \wedge ((v8_rlvect_1 X1) \wedge (l1_rlvect_1 X1))))))))) \\
& (5)
\end{aligned}$$

Assume the following.

$$l1_rlvect_1 k7_rssize \quad (6)$$

Theorem 1

$$\begin{aligned} & (\neg v2_struct_0 (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace \\ & k1_rsspace3) (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace \\ & k7_rsspace k1_rsspace3))) \wedge ((v13_algstr_0 (g1_rlvect_1 k1_rsspace3 \\ & (k10_rsspace k7_rsspace k1_rsspace3) (k8_rsspace k7_rsspace \\ & k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge ((v2_rlvect_1 \\ & (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace k1_rsspace3) \\ & (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge \\ & ((v3_rlvect_1 (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace \\ & k1_rsspace3) (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace \\ & k7_rsspace k1_rsspace3))) \wedge ((v4_rlvect_1 (g1_rlvect_1 k1_rsspace3 \\ & (k10_rsspace k7_rsspace k1_rsspace3) (k8_rsspace k7_rsspace \\ & k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge ((v5_rlvect_1 \\ & (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace k1_rsspace3) \\ & (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge \\ & ((v6_rlvect_1 (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace \\ & k1_rsspace3) (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace \\ & k7_rsspace k1_rsspace3))) \wedge ((v7_rlvect_1 (g1_rlvect_1 k1_rsspace3 \\ & (k10_rsspace k7_rsspace k1_rsspace3) (k8_rsspace k7_rsspace \\ & k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge ((v8_rlvect_1 \\ & (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace k1_rsspace3) \\ & (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace k7_rsspace k1_rsspace3))) \wedge \\ & ((l1_rlvect_1 (g1_rlvect_1 k1_rsspace3 (k10_rsspace k7_rsspace \\ & k1_rsspace3) (k8_rsspace k7_rsspace k1_rsspace3) (k9_rsspace \\ & k7_rsspace k1_rsspace3))))))))))\end{aligned}$$