

t13_rsspace (TM- Nmm4Ld9uud9zibcDHBnbWom5zqQKpbBzR)

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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 $k11_rsspace : \iota$ 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.

$$\begin{aligned} & m1_rlsub_1 (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace \\ & k11_rsspace) (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace \\ & k7_rsspace k11_rsspace)) k7_rsspace \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & (v13_algstr_0 k7_rsspace) \wedge ((v2_rlvect_1 k7_rsspace) \wedge ((v3_rlvect_1 \\ & k7_rsspace) \wedge ((v4_rlvect_1 k7_rsspace) \wedge ((v5_rlvect_1 k7_rsspace) \wedge \\ & ((v6_rlvect_1 k7_rsspace) \wedge ((v7_rlvect_1 k7_rsspace) \wedge (v8_rlvect_1 \\ & k7_rsspace)))))))) \end{aligned} \quad (2)$$

Assume the following.

$$(\neg v2_struct_0 k7_rsspace) \wedge (v1_rlvect_1 k7_rsspace) \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge ((v2_rlvect_1 \\ & X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v5_rlvect_1 X0) \wedge \\ & ((v6_rlvect_1 X0) \wedge ((v7_rlvect_1 X0) \wedge ((v8_rlvect_1 X0) \wedge (l1_rlvect_1 \\ & X0)))))))))) \Rightarrow (\forall X1. (m1_rlsub_1 X1 X0) \Rightarrow ((\neg v2_struct_0 \\ & X1) \wedge ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge \\ & ((v4_rlvect_1 X1) \wedge ((v5_rlvect_1 X1) \wedge ((v6_rlvect_1 X1) \wedge ((v7_rlvect_1 \\ & X1) \wedge ((v8_rlvect_1 X1) \wedge (l1_rlvect_1 X1)))))))))) \end{aligned} \quad (4)$$

Assume the following.

$$l1_rlvect_1 k7_rsspace \quad (5)$$

Theorem 1

$$\begin{aligned} & (\neg v2_struct_0 (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace \\ & k11_rsspace) (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace \\ & k7_rsspace k11_rsspace))) \wedge ((v13_algstr_0 (g1_rlvect_1 k11_rsspace \\ & (k10_rsspace k7_rsspace k11_rsspace) (k8_rsspace k7_rsspace \\ & k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge ((v2_rlvect_1 \\ & (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace k11_rsspace) \\ & (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge \\ & ((v3_rlvect_1 (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace \\ & k11_rsspace) (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace \\ & k7_rsspace k11_rsspace))) \wedge ((v4_rlvect_1 (g1_rlvect_1 k11_rsspace \\ & (k10_rsspace k7_rsspace k11_rsspace) (k8_rsspace k7_rsspace \\ & k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge ((v5_rlvect_1 \\ & (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace k11_rsspace) \\ & (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge \\ & ((v6_rlvect_1 (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace \\ & k11_rsspace) (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace \\ & k7_rsspace k11_rsspace))) \wedge ((v7_rlvect_1 (g1_rlvect_1 k11_rsspace \\ & (k10_rsspace k7_rsspace k11_rsspace) (k8_rsspace k7_rsspace \\ & k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge ((v8_rlvect_1 \\ & (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace k11_rsspace) \\ & (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace k7_rsspace k11_rsspace))) \wedge \\ & ((l1_rlvect_1 (g1_rlvect_1 k11_rsspace (k10_rsspace k7_rsspace \\ & k11_rsspace) (k8_rsspace k7_rsspace k11_rsspace) (k9_rsspace \\ & k7_rsspace k11_rsspace))))))))))\end{aligned}$$