

l31_algstr_1 (TM-
NPW7HFjeCypuP8nX3Gts1kJ9JJCZzwzK6)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k8_algstr_0 : \iota$ be given. Let $k6_algstr_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_struct_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 k8_algstr_0)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (u1_struct_0 k8_algstr_0)) \Rightarrow (k6_algstr_0 k8_algstr_0 \quad (1) \\ & \quad X0 X1 = k5_struct_0 k8_algstr_0)) \end{aligned}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 k8_algstr_0)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (u1_struct_0 k8_algstr_0)) \Rightarrow (k6_algstr_0 k8_algstr_0 \\ & \quad X0 X1 = k6_algstr_0 k8_algstr_0 X1 X0)) \end{aligned}$$