

t4_lfuzzy_0 (TMGuxGyH- WLms1G8pwG9Jsgtha27LD2CrpUd)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_lfuzzy_0 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k13_lattice3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_lfuzzy_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (((\neg v2_struct_0 X0) \wedge (v1_lfuzzy_0 \\ & X0) \wedge (l1_orders_2 X0)) \wedge (m1_subset_1 X1 (u1_struct_0 X0)) \wedge (\\ & m1_subset_1 X2 (u1_struct_0 X0))) \Rightarrow (k13_lattice3 X0 X1 X2 = k2_lfuzzy_0 \\ & X0 X1 X2) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge (v1_lfuzzy_0 X0) \wedge (l1_orders_2 \\ & X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (k13_lattice3 X0 X1 X2 = k2_lfuzzy_0 \\ & X0 X1 X2))) \end{aligned}$$