

t2_latsubgr (TMQ-
GyvT592zEfwzot6TK2FmgpPbU56HbWtE)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v2_group_1 : \iota \Rightarrow o$ be given. Let $v3_group_1 : \iota \Rightarrow o$ be given. Let $l3_algstr_0 : \iota \Rightarrow o$ be given. Let $k1_group_3 : \iota \Rightarrow \iota$ be given. Let $v15_algstr_0 : \iota \Rightarrow o$ be given. Let $m1_group_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. ((\neg v2_struct_0 X0) \wedge ((v2_group_1 X0) \wedge ((v3_group_1 \\ X0) \wedge (l3_algstr_0 X0)))) \Rightarrow (\forall X1. (X1 = k1_group_3 X0) \Leftrightarrow (\forall X2. \\ (X2 \in X1) \Leftrightarrow ((v15_algstr_0 X2) \wedge (m1_group_2 X2 X0)))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0. ((\neg v2_struct_0 X0) \wedge ((v2_group_1 X0) \wedge ((v3_group_1 \\ X0) \wedge (l3_algstr_0 X0)))) \Rightarrow (\forall X1. (X1 \in k1_group_3 X0) \Leftrightarrow (\exists X2. \\ ((v15_algstr_0 X2) \wedge (m1_group_2 X2 X0)) \wedge (X1 = X2))) \end{aligned}$$