

t28_graph_1
(TMLKsmRuzPoL8wbpkt33sdU6u4DQhuZ8hXb)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l1_graph_1 : \iota \Rightarrow o$ be given. Let $v1_graph_1 : \iota \Rightarrow o$ be given. Let $k11_graph_1 : \iota \Rightarrow \iota$ be given. Let $r4_graph_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m3_graph_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l1_graph_1 X0)) \Rightarrow (\forall X1. \\ & (X1 = k11_graph_1 X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow ((v1_graph_1 X2) \wedge (\\ & m3_graph_1 X2 X0)))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l1_graph_1 X0)) \Rightarrow (\forall X1. \\ & ((\neg v2_struct_0 X1) \wedge (l1_graph_1 X1)) \Rightarrow ((r4_graph_1 X0 X1) \Leftrightarrow (m3_graph_1 \\ & X0 X1))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l1_graph_1 X0)) \Rightarrow (\forall X1. \\ & ((\neg v2_struct_0 X1) \wedge ((v1_graph_1 X1) \wedge (l1_graph_1 X1))) \Rightarrow ((X1 \in \\ & k11_graph_1 X0) \Leftrightarrow (r4_graph_1 X1 X0))) \end{aligned}$$