

t6_qmax_1

(TMVxr2WLP7EPVTVTV5KVLyuukRhHJWvhQXK)

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Let $v2_qmax_1 : \iota \Rightarrow o$ be given. Let $l1_qmax_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_qmax_1 : \iota \Rightarrow \iota$ be given. Let $r4_qmax_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (((v2_qmax_1 X0) \wedge (l1_qmax_1 \\ & X0)) \wedge ((m1_subset_1 X1 (k5_qmax_1 X0)) \wedge (m1_subset_1 X2 (k5_qmax_1 \\ & X0)))) \Rightarrow ((r4_qmax_1 X0 X1 X2) \Rightarrow (r4_qmax_1 X0 X2 X1)) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0. ((v2_qmax_1 X0) \wedge (l1_qmax_1 X0)) \Rightarrow (\forall X1. (m1_subset_1 \\ & X1 (k5_qmax_1 X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k5_qmax_1 X0)) \Rightarrow \\ & ((r4_qmax_1 X0 X1 X2) \Rightarrow (r4_qmax_1 X0 X2 X1)))) \end{aligned}$$