

t35_lukasi_1 (TMXhzkfNcjQi- hNHY1oqFzv5psCCMDReZmGi)

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Let $m1_qc_lang1 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_qc_lang1 : \iota \Rightarrow \iota$ be given. Let $k3_cqc_lang : \iota \Rightarrow \iota$ be given. Let $k8_cqc_lang : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_cqc_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_cqc_the1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_qc_lang1 X0) \Rightarrow (\forall X1.(m2_subset_1 X1 (k9_qc_lang1 \\ X0) (k3_cqc_lang X0)) \Rightarrow (\forall X2.(m2_subset_1 X2 (k9_qc_lang1 \\ X0) (k3_cqc_lang X0)) \Rightarrow ((k8_cqc_lang X0 X1 X2 \in k4_cqc_the1 X0) \Leftrightarrow \\ (k8_cqc_lang X0 (k6_cqc_lang X0 X2) (k6_cqc_lang X0 X1) \in k4_cqc_the1 \\ X0)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_qc_lang1 X0) \Rightarrow (\forall X1.(m2_subset_1 X1 (k9_qc_lang1 \\ X0) (k3_cqc_lang X0)) \Rightarrow (\forall X2.(m2_subset_1 X2 (k9_qc_lang1 \\ X0) (k3_cqc_lang X0)) \Rightarrow ((k8_cqc_lang X0 (k6_cqc_lang X0 X1) (k6_cqc_lang \\ X0 X2) \in k4_cqc_the1 X0) \Rightarrow (k8_cqc_lang X0 X2 X1 \in k4_cqc_the1 X0)))) \end{aligned}$$