

t35_intpro_1 (TM-
bCn9Mm3XgQFRnWuyi8QuNkWWLqWNWGHJ8)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_intpro_1 : \iota$ be given. Let $k4_intpro_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_intpro_1 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k1_intpro_1) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k1_intpro_1) \Rightarrow ((k4_intpro_1 X0 X1 \in k8_intpro_1) \Leftrightarrow ((X0 \in k8_intpro_1) \wedge \\ (X1 \in k8_intpro_1)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k1_intpro_1) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k1_intpro_1) \Rightarrow ((k4_intpro_1 X0 X1 \in k8_intpro_1) \Leftrightarrow (k4_intpro_1 \\ X1 X0 \in k8_intpro_1))) \end{aligned}$$