

t13_scmyciel (TM-
LYEiD2WDYmzs2zysX9iEKCCQeHVLmr86JS)

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Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \neg(X1 \in k1_scmyciel X0) \wedge (\forall X2. \forall X3. \\ & \neg(X2 \neq X3) \wedge ((X2 \in k3_tarski X0) \wedge ((X3 \in k3_tarski X0) \wedge (X1 = k2_tarski \\ & \quad X2 X3)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (X2 = k2_tarski X0 X1) \Leftrightarrow (\forall X3. \\ & (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \end{aligned} \tag{2}$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (k2_tarski X1 X2 \in k1_scmyciel X0) \Rightarrow ((X1 \neq X2) \wedge ((X1 \in k3_tarski X0) \wedge (X2 \in k3_tarski X0)))$$