

t53_scmyciel
(TMJt4aJCEYa7WtfRgg13EL6VfxbhEWGzpvJ)

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Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $v5_scmyciel : \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_scmyciel : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k2_tarski \ X1 \ X2 \in k5_scmyciel \ X0) \quad (1)$$

Assume the following.

$$\forall X0. (v4_scmyciel \ X0) \Rightarrow ((v5_scmyciel \ X0) \Leftrightarrow (X0 = k5_scmyciel \ (k3_tarski \ X0))) \quad (2)$$

Theorem 1

$$\forall X0. ((v4_scmyciel \ X0) \wedge (v5_scmyciel \ X0)) \Rightarrow (\forall X1. \forall X2. ((X1 \in k3_tarski \ X0) \wedge (X2 \in k3_tarski \ X0)) \Rightarrow (k2_tarski \ X1 \ X2 \in X0))$$