

t36_scmyciel (TMbNNjEjR- pEzbXReURHVwkkAxN6oAXjtnJH)

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Let $k5_scmyciel : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $v4_scmyciel : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. k3_tarski (k2_tarski k1_xboole_0 (k1_tarski X0)) = k1_tarski X0 \quad (1)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow ((\forall X1. \forall X2. ((X1 \in k3_tarski X0) \wedge (X2 \in k3_tarski X0)) \Rightarrow (k2_tarski X1 X2 \in X0)) \Rightarrow (X0 = k5_scmyciel (k3_tarski X0))) \quad (2)$$

Assume the following.

$$\forall X0. k2_tarski X0 X0 = k1_tarski X0 \quad (3)$$

Assume the following.

$$\forall X0. v4_scmyciel (k2_tarski k1_xboole_0 (k1_tarski X0)) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (6)$$

Theorem 1

$$\forall X0. k5_scmyciel (k1_tarski X0) = k2_tarski k1_xboole_0 (k1_tarski X0)$$