

t39_scmyciel (TMbfoT- SZz9NQ3YAxQCnGDSHsgG73qE5KCAU)

October 27, 2020

Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. 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 $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes1 : \iota \Rightarrow o$ be given. Let $v3_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0. k5_scmyciel (k1_tarski X0) = k2_tarski k1_xboole_0 (k1_tarski X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski (k2_tarski X0 X1) X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \quad (2)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow (\forall X1. (X1 \in k3_tarski X0) \Leftrightarrow (k1_tarski X1 \in X0)) \quad (3)$$

Assume the following.

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes1 X0)) \Rightarrow (k1_xboole_0 \in X0) \quad (4)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow ((\neg v1_xboole_0 X0) \wedge ((v1_classes1 X0) \wedge (v3_scmyciel X0 np_1))) \quad (5)$$

Theorem 1

$$\forall X0. (v4_scmyciel X0) \Rightarrow (\forall X1. (X1 \in k3_tarski X0) \Rightarrow (r1_tarski (k5_scmyciel (k1_tarski X1)) X0))$$