

l55_scmyciel

(TMFiQZaWcks49We224EMq5Hp7LtEzkQh4gT)

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Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_scmyciel : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k9_bspace : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (X0 = k2_xboole_0 (k2_xboole_0 (k1_tarski k1_xboole_0) (k9_bspace (k3_tarski X0))) (k1_scmyciel X0)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(\forall X2.(X2 \in X0) \Leftrightarrow (X2 \in X1)) \Rightarrow (X0 = X1) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.\neg(X1 \in k1_scmyciel X0) \wedge (\forall X2.\forall X3.\neg(X2 \neq X3) \wedge ((X2 \in k3_tarski X0) \wedge ((X3 \in k3_tarski X0) \wedge (X1 = k2_tarski X2 X3)))) \quad (3)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.\forall X2.((X1 \in k3_tarski X0) \wedge (X2 \in k3_tarski X0)) \Rightarrow ((X1 = X2) \vee ((k2_tarski X1 X2 \in k1_scmyciel X0) \Leftrightarrow (\neg k2_tarski X1 X2 \in k1_scmyciel (k6_subset_1 (k5_scmyciel (k3_tarski X0)) (k1_scmyciel X0)))))) \quad (4)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (k3_tarski X0 = k3_tarski (k6_subset_1 (k5_scmyciel (k3_tarski X0)) (k1_scmyciel X0))) \quad (5)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (v4_scmyciel (k6_subset_1 (k5_scmyciel (k3_tarski X0)) (k1_scmyciel X0))) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.(v4_scmyciel X1) \Rightarrow ((\\ & X1 = k6_subset_1 (k5_scmyciel (k3_tarski X0)) (k1_scmyciel X0)) \Rightarrow \\ & (k6_subset_1 (k5_scmyciel (k3_tarski X1)) (k1_scmyciel X1) = X0))) \end{aligned}$$