

t19_scmyciel (TMZJxrAJTzECGUkVLH- LLyVmtDqyALUzq251)

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Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_scmyciel : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(k1_card_1 X0 = np_1) \Leftrightarrow (\exists X1.X0 = k1_tarski X1) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\neg(X1 \in k1_scmyciel X0) \wedge (\forall X2.\forall X3. \\ & \neg(X2 \neq X3) \wedge ((X2 \in k3_tarski X0) \wedge ((X3 \in k3_tarski X0) \wedge (X1 = k2_tarski \\ & \quad X2 X3)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0.(v2_scmyciel X0) \Leftrightarrow (v1_xboole_0 (k1_scmyciel X0)) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Leftrightarrow (\forall X1.\neg X1 \in X0) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1_tarski X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (5)$$

Theorem 1

$$\forall X0.\forall X1.(k1_card_1 (k3_tarski X0) = np_1) \Rightarrow (v2_scmyciel X0)$$