

t88_scmyciel
(TMFZ8u9egoctQbdoqaELSVc6M8XB5keSj5X)

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Let $v1_scmyciel : \iota \Rightarrow o$ be given. Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k12_scmyciel : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v4_scmyciel X0) \Rightarrow & (k3_tarski (k12_scmyciel X0) = k2_xboole_0 \\ & (k2_xboole_0 (k3_tarski X0) (k2_zfmisc_1 (k3_tarski X0) (k1_tarski \\ & (k3_tarski X0)))) (k1_tarski (k3_tarski X0))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(v4_scmyciel X0) \Rightarrow & (\forall X1.(k3_tarski X0 = k1_tarski \\ & X1) \Rightarrow (X0 = k2_tarski k1_xboole_0 (k1_tarski X1))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0.k2_tarski X0 X0 = k1_tarski X0 \quad (4)$$

Assume the following.

$$\forall X0.k1_zfmisc_1 (k1_tarski X0) = k2_tarski k1_xboole_0 (k1_tarski X0) \quad (5)$$

Assume the following.

$$\forall X0.k2_xboole_0 X0 k1_xboole_0 = X0 \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.(v1_xboole_0 X0) \Rightarrow (v1_xboole_0 (k2_zfmisc_1 X0 X1)) \quad (7)$$

Assume the following.

$$v1_xboole_0 (k3_tarski (k1_tarski k1_xboole_0)) \quad (8)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (v4_scmyciel (k12_scmyciel X0)) \quad (9)$$

Assume the following.

$$\forall X0.(v1_scmyciel X0) \Leftrightarrow (X0 = k1_tarski k1_xboole_0) \quad (10)$$

Assume the following.

$$\forall X0.\forall X1.k2_xboole_0 X0 X1 = k2_xboole_0 X1 X0 \quad (11)$$

Theorem 1

$$\forall X0.((v1_scmyciel X0) \wedge (v4_scmyciel X0)) \Rightarrow (k12_scmyciel X0 = k2_tarski k1_xboole_0 (k1_tarski (k3_tarski X0)))$$