

l63_scmyciel
(TMYH6ihrioAQgJWZs9oyQ9rcFoH1WMHddgn)

October 27, 2020

Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k7_scmyciel : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_xboole.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.k3_tarski (k1_zfmisc.1 X0) = X0 \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Rightarrow (r1_tarski (k3_tarski X0) (k3_tarski X1)) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.r1_tarski (k3_xboole.0 X0 X1) X0 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (4)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.k7_scmyciel X0 X1 = k3_xboole.0 X0 (k1_zfmisc.1 X1)) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.k3_xboole.0 X0 X1 = k3_xboole.0 X1 X0 \quad (6)$$

Theorem 1

$$\forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.\forall X2.(X2 \in k3_tarski (k7_scmyciel X0 X1)) \Rightarrow (X2 \in X1))$$