

t50_scmyciel
(TMW38oLUYLR55BcuJg2hZHTCx7dCWudk9oP)

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Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ 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 $v5_scmyciel : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_scmyciel : \iota \Rightarrow \iota$ be given. Let $m1_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow (\forall X1. (X1 \in k3_tarski X0) \Rightarrow (r1_tarski (k5_scmyciel (k1_tarski X1)) X0)) \quad (2)$$

Assume the following.

$$\forall X0. k5_scmyciel (k1_tarski X0) = k2_tarski k1_xboole_0 (k1_tarski X0) \quad (3)$$

Assume the following.

$$\forall X0. v5_scmyciel (k5_scmyciel X0) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (m1_scmyciel X1 X0) \Rightarrow (v4_scmyciel X1) \quad (5)$$

Assume the following.

$$\forall X0. m1_scmyciel (k5_scmyciel X0) X0 \quad (6)$$

Theorem 1

$$\forall X0. (v4_scmyciel X0) \Rightarrow (\forall X1. (X1 \in k3_tarski X0) \Rightarrow ((v4_scmyciel (k2_tarski k1_xboole_0 (k1_tarski X1))) \wedge ((v5_scmyciel (k2_tarski k1_xboole_0 (k1_tarski X1))) \wedge (m1_subset_1 (k2_tarski k1_xboole_0 (k1_tarski X1)) (k1_zfmisc_1 X0))))))$$