

t80_scmyciel
(TMV3aJk49MyJxxYnbkXrsoDmCu59DouuPUB)

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Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $v10_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_eqrel_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $v7_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_scmyciel : \iota \Rightarrow \iota$ be given. Let $v9_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k7_scmyciel : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v5_scmyciel : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.((v9_scmyciel X1 X0) \wedge \\ (m1_subset_1 X1 (k1_zfmisc_1 (k3_tarski X0)))) \Rightarrow ((v4_scmyciel \\ (k7_scmyciel (k6_scmyciel X0) X1)) \wedge ((v5_scmyciel (k7_scmyciel \\ (k6_scmyciel X0) X1)) \wedge (m1_subset_1 (k7_scmyciel (k6_scmyciel \\ X0) X1) (k1_zfmisc_1 (k6_scmyciel X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (k3_tarski X0 = k3_tarski (k6_scmyciel X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v4_scmyciel X0) \Rightarrow (v4_scmyciel (k6_scmyciel X0)) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.(m1_eqrel_1 X1 (k3_tarski \\ X0)) \Rightarrow ((v10_scmyciel X1 X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Rightarrow ((v9_scmyciel \\ X2 X0) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k3_tarski X0)))))) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.(m1_eqrel_1 X1 (k3_tarski \\ X0)) \Rightarrow ((v7_scmyciel X1 X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Rightarrow ((v4_scmyciel \\ (k7_scmyciel X0 X2)) \wedge ((v5_scmyciel (k7_scmyciel X0 X2)) \wedge (m1_subset_1 \\ (k7_scmyciel X0 X2) (k1_zfmisc_1 X0)))))) \end{aligned} \quad (5)$$

Theorem 1

$$\forall X0.(v4_scmyciel X0) \Rightarrow (\forall X1.((v10_scmyciel X1 X0) \wedge (m1_eqrel_1 X1 (k3_tarSKI X0))) \Rightarrow ((v7_scmyciel X1 (k6_scmyciel X0)) \wedge (m1_eqrel_1 X1 (k3_tarSKI (k6_scmyciel X0)))))$$