

t49_scmyciel
(TMNaPm1o54m87YYi5ka8hqoujBadQ1JmqjD)

October 27, 2020

Let $v5_scmyciel : \iota \Rightarrow o$ be given. Let $k5_scmyciel : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $m1_scmyciel : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_scmyciel : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. k3_tarski (ReplSep (toset (\lambda X1 : \iota. (v1_finset_1 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0)))) (\lambda X1 : \iota. r1_xxreal_0 (k5_card_1 X1) np_2) (\lambda X1 : \iota. X1))) = X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_scmyciel X1 X0) \Rightarrow (v4_scmyciel X1) \quad (2)$$

Assume the following.

$$\forall X0. m1_scmyciel (k5_scmyciel X0) X0 \quad (3)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow ((v5_scmyciel X0) \Leftrightarrow (X0 = k5_scmyciel (k3_tarski X0))) \quad (4)$$

Assume the following.

$$\forall X0. k5_scmyciel X0 = ReplSep (toset (\lambda X1 : \iota. (v1_finset_1 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0)))) (\lambda X1 : \iota. r1_xxreal_0 (k5_card_1 X1) np_2) (\lambda X1 : \iota. X1) \quad (5)$$

Theorem 1 $\forall X0. v5_scmyciel (k5_scmyciel X0)$.