

t12_scmyciel
(TMFL9h5ywJAgwXFndxhHKCB3Ps34UDUoyJG)

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Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \neq X1) \Rightarrow (k5_card_1 (k2_tarski X0 X1) = np_2) \quad (1)$$

Assume the following.

$$\forall X0. (v1_finset_1 X0) \Rightarrow (k5_card_1 X0 = k1_card_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. v1_finset_1 (k2_tarski X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_scmyciel X0) (k1_zfmisc_1 X0) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow ((X1 = k1_scmyciel X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((X2 \in X0) \wedge (k1_card_1 X2 = np_2)))) \quad (5)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (k2_tarski X1 X2 \in X0) \Rightarrow ((X1 = X2) \vee (k2_tarski X1 X2 \in k1_scmyciel X0))$$