

t29_scmyciel (TMNcmcSKCF- SwZuSU7d6Vz1JWChyYbiCh6o3)

October 27, 2020

Let $v4_scmyciel : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k1_scmyciel : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v3_card_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_bspace : \iota \Rightarrow \iota$ be given. Let $k8_bspace : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\neg(v3_card_1 X1 np_1) \wedge (\forall X2. \neg(X2 \in X0) \wedge (X1 = k1_tarski X2))) \quad (1)$$

Assume the following.

$$\forall X0. (v4_scmyciel X0) \Rightarrow (X0 = k2_xboole_0 (k2_xboole_0 (k1_tarski k1_xboole_0) (k9_bspace (k3_tarski X0))) (k1_scmyciel X0)) \quad (2)$$

Assume the following.

$$\forall X0. k9_bspace X0 = k8_bspace X0 \quad (3)$$

Assume the following.

$$\forall X0. k8_bspace X0 = ReplSep (toset (\lambda X1 : \iota. m1_subset_1 X1 (k1_zfmisc_1 X0))) (\lambda X1 : \iota. v3_card_1 X1 np_1) (\lambda X1 : \iota. X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_xboole_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \vee (X3 \in X1))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (6)$$

Theorem 1

$$\forall X0. (v4_scmyciel X0) \Rightarrow (\forall X1. \neg(X1 \in X0) \wedge ((X1 \neq k1_xboole_0) \wedge ((\forall X2. \neg(X1 = k1_tarski X2) \wedge (X2 \in k3_tarski X0)) \wedge (\neg X1 \in k1_scmyciel X0))))$$