

t26_matrix_2 (TMFdMyM- CKwc8rDbGNdXNBKZYq8BurhNHncV)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_finset.1 : \iota \Rightarrow o$ be given. Let $k12_matrix.2 : \iota \Rightarrow \iota$ be given. Let $v1_funct.1 : \iota \Rightarrow o$ be given. Let $v1_funct.2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc.1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_funct.2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_finseq.1 : \iota \Rightarrow \iota$ be given. Let $k1_finseq.1 : \iota \Rightarrow \iota$ be given. Let $v3_funct.2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. ((v1_funct.1 X1) \wedge ((v1_funct.2 X1 X0 X0) \wedge (m1_subset.1 X1 (k1_zfmisc.1 (k2_zfmisc.1 X0 X0)))))) \Rightarrow (X1 \in k1_funct.2 X0 X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_finset.1 X0) \wedge (v1_finset.1 X1)) \Rightarrow (v1_finset.1 (k1_funct.2 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((r1_tarski X0 X1) \wedge (v1_finset.1 X1)) \Rightarrow (v1_finset.1 X0) \quad (3)$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (k2_finseq.1 X0 = k1_finseq.1 X0) \quad (4)$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (v1_finset.1 (k1_finseq.1 X0)) \quad (5)$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (X1 = k12_matrix.2 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v1_funct.1 X2) \wedge ((v1_funct.2 X2 (k2_finseq.1 X0) (k2_finseq.1 X0)) \wedge ((v3_funct.2 X2 (k2_finseq.1 X0) (k2_finseq.1 X0)) \wedge (m1_subset.1 X2 (k1_zfmisc.1 (k2_zfmisc.1 (k2_finseq.1 X0) (k2_finseq.1 X0)))))))))) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarSKI X0 X1)\Leftrightarrow(\forall X2.(X2 \in X0)\Rightarrow (X2 \in X1)) \quad (7)$$

Theorem 1 $\forall X0.(v7_ordinal1 X0)\Rightarrow(v1_finset_1 (k12_matrix_2 X0)).$