

t5_nat_5

(TMe1EAs21zYM43fQ4YRfhNrQb7pt5Yk1Dgw)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k4_matrix13 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$k5_numbers = k4_ordinal1 \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 X0) \wedge (v7_ordinal1 X1)) \Rightarrow (k4_matrix13 X0 X1 = k2_tarski X0 X1) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. v1_finset_1 (k2_tarski X0 X1) \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. ((v7_ordinal1 X0) \wedge (v7_ordinal1 X1)) \Rightarrow (m1_subset_1 (k4_matrix13 X0 X1) (k1_zfmisc_1 k5_numbers)) \tag{4}$$

Theorem 1

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (v7_ordinal1 X1) \Rightarrow ((v1_finset_1 (k2_tarski X0 X1)) \wedge (m1_subset_1 (k2_tarski X0 X1) (k1_zfmisc_1 k5_numbers))))$$