

t20_finseq_3
(TMP3uvQArXL9GiWSSAdfkHBz26B1DsB6pSe)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k5_card_1 (k2_finseq_1 X0) = X0) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.k1_enumset1 X0 X0 X1 = k2_tarski X0 X1 \quad (2)$$

Assume the following.

$$\forall X0.k1_card_1 (k1_tarski X0) = np_1 \quad (3)$$

Assume the following.

$$(k2_finseq_1 np_1 = k1_tarski np_1) \wedge (k2_finseq_1 np_2 = k2_tarski np_1 np_2) \quad (4)$$

Assume the following.

$$\forall X0.k2_tarski X0 X0 = k1_tarski X0 \quad (5)$$

Assume the following.

$$\forall X0.k3_tarski (k1_tarski X0) = X0 \quad (6)$$

Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (k5_card_1 X0 = k1_card_1 X0) \quad (7)$$

Assume the following.

$$\forall X0.v1_finset_1 (k1_tarski X0) \quad (8)$$

Theorem 1

$$\forall X0.\forall X1.(v7_ordinal1 X1) \Rightarrow ((k2_finseq_1 X1 = k1_tarski X0) \Rightarrow ((X1 = np_1) \wedge (X0 = np_1)))$$