

t36_finseq_3
(TMb6Knf6SxTdn6BtQahUAJ46QL2QUScqg1D)

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Let $k9_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k11_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $v3_card_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_3 : \iota$ be given. Assume the following.

$$\forall X0. k9_finseq_1 X0 = k1_tarski (k4_tarski np_1 X0) \quad (1)$$

Assume the following.

$$\forall X0. k1_card_1 (k1_tarski X0) = np_1 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. v3_card_1 (k11_finseq_1 X0 X1 X2) np_3 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (v3_card_1 X1 X0) \Leftrightarrow (k1_card_1 X1 = X0) \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. k9_finseq_1 X0 \neq k11_finseq_1 X1 X2 X3$$