

t46\_finseq\_3

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k3\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k14\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k5\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarSKI : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_finseq\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k5\_card\_1 (k2\_finseq\_1 X0) = X0) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v1\_finset\_1 X1) \Rightarrow ((r1\_tarSKI X1 (k2\_finseq\_1 X0)) \Rightarrow (k3\_finseq\_1 (k14\_finseq\_1 X1) = k5\_card\_1 X1))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.r1\_tarSKI X0 X0 \quad (3)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k2\_finseq\_1 X0 = k1\_finseq\_1 X0) \quad (4)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (v1\_finset\_1 (k1\_finseq\_1 X0)) \quad (5)$$

**Theorem 1**

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k3\_finseq\_1 (k14\_finseq\_1 (k2\_finseq\_1 X0)) = X0)$$