

t14_finseq_3 (TMMscgUyqDjvxXCwvkHmW-
PANkHUe9szpcgv)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg k1_nat_1 X0 np_1 \in k2_finseq_1 X0) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_xboole_0 X0 X1) \Rightarrow (r1_xboole_0 X1 X0) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(\neg X0 \in X1) \Rightarrow (r1_xboole_0 (k1_tarski X0) X1) \quad (3)$$

Theorem 1

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (r1_xboole_0 (k2_finseq_1 X0) (k1_tarski (k1_nat_1 X0 np_1)))$$