

t56_finseq_1
(TMPk3hPihBpNBdUHySayRsHHfmYuYHbVanv)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \neg(v1_finset_1 X0) \wedge (\forall X1. (v7_ordinal1 X1) \Rightarrow (\neg r2_wellord2 X0 X1)) \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r2_wellord2 X0 X1) \wedge (r2_wellord2 X1 X2)) \Rightarrow (r2_wellord2 X0 X2) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Rightarrow (r2_wellord2 X1 X0) \tag{3}$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (r2_wellord2 (k2_finseq_1 X0) X0) \tag{4}$$

Theorem 1

$$\forall X0. \neg(v1_finset_1 X0) \wedge (\forall X1. (v7_ordinal1 X1) \Rightarrow (\neg r2_wellord2 X0 (k2_finseq_1 X1)))$$