

t72_finseq_1 (TMHK-
TYf5qHTjgYhd2yCjNDYxtco5BLRMsjy)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k16_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_finseq_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k2_finseq_1 X0 = k1_finseq_1 X0) \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow \\ & ((v1_relat_1 (k16_finseq_1 k6_numbers X0)) \wedge ((v1_funct_1 (k16_finseq_1 \\ & k6_numbers X0)) \wedge ((v1_xboole_0 (k16_finseq_1 k6_numbers X0)) \wedge \\ & (v1_finseq_1 (k16_finseq_1 k6_numbers X0)))))) \end{aligned} \quad (4)$$

Assume the following.

$$\forall X0.((v7_ordinal1 X0) \wedge (v1_xboole_0 X0)) \Rightarrow (v1_xboole_0 (k1_finseq_1 X0)) \quad (5)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (v7_ordinal1 X0) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow \\ & (k16_finseq_1 (k2_finseq_1 k6_numbers) X0 = k1_xboole_0) \end{aligned}$$