

l89_finseq_1 (TM-
cJMgm21V38yLWslJUbPeWhV2dYCCQy4C1N)

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Let $np_{-1} : \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $np_{-4} : \iota$ be given. Let $np_{-2} : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((X0 \in k2_finseq_1 X1) \Leftrightarrow ((r1_xxreal_0 np_{-1} X0) \wedge (r1_xxreal_0 X0 X1)))) \quad (1)$$

Assume the following.

$$((v2_xxreal_0 np_{-4}) \wedge (m2_subset_1 np_{-4} k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_{-4} k5_numbers) \wedge (m1_subset_1 np_{-4} k1_numbers)) \quad (2)$$

Assume the following.

$$((v2_xxreal_0 np_{-2}) \wedge (m2_subset_1 np_{-2} k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_{-2} k5_numbers) \wedge (m1_subset_1 np_{-2} k1_numbers)) \quad (3)$$

Assume the following.

$$((v2_xxreal_0 np_{-1}) \wedge (m2_subset_1 np_{-1} k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_{-1} k5_numbers) \wedge (m1_subset_1 np_{-1} k1_numbers)) \quad (4)$$

Assume the following.

$$r1_xxreal_0 np_{-2} np_{-4} \quad (5)$$

Assume the following.

$$r1_xxreal_0 np_{-1} np_{-4} \quad (6)$$

Assume the following.

$$r1_xxreal_0 np_{-1} np_{-2} \quad (7)$$

Assume the following.

$$r1_xxreal_0 np_{-1} np_{-1} \quad (8)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (9)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \quad (10)$$

Theorem 1 $(np_1 \in k2_finseq_1 np_4) \wedge (np_2 \in k2_finseq_1 np_4)$.