

l104_finseq_1

(TMYN2Nqb53jn6ULwJHuiW7YDyQJFsyg6aNG)

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Let $np_7 : \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $np_8 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ 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.

$$((v2_xxreal_0 np_8) \wedge (m2_subset_1 np_8 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_8 k5_numbers) \wedge (m1_subset_1 np_8 k1_numbers)) \quad (2)$$

Assume the following.

$$((v2_xxreal_0 np_7) \wedge (m2_subset_1 np_7 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_7 k5_numbers) \wedge (m1_subset_1 np_7 k1_numbers)) \quad (3)$$

Assume the following.

$$r1_xxreal_0 np_8 np_8 \quad (4)$$

Assume the following.

$$r1_xxreal_0 np_7 np_8 \quad (5)$$

Assume the following.

$$r1_xxreal_0 np_1 np_8 \quad (6)$$

Assume the following.

$$r1_xxreal_0 np_1 np_7 \quad (7)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (8)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \quad (9)$$

Theorem 1 $(np_7 \in k2_finseq_1 np_8) \wedge (np_8 \in k2_finseq_1 np_8)$.