

l101_finseq_1

(TMJZ2oeUhq1AHNZTzEKpZsLdPy1GB2UAqkQ)

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Let $np_1 : \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $np_8 : \iota$ 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.

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

Assume the following.

$$r1_xxreal_0 np_2 np_8 \quad (3)$$

Assume the following.

$$r1_xxreal_0 np_1 np_8 \quad (4)$$

Assume the following.

$$r1_xxreal_0 np_1 np_2 \quad (5)$$

Assume the following.

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

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (7)$$

Assume the following.

$$np_2 \in k4_ordinal1 \quad (8)$$

Assume the following.

$$np_1 \in k4_ordinal1 \quad (9)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Leftrightarrow(X0 \in k4_ordinal1) \quad (10)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k4_ordinal1)\Rightarrow(v7_ordinal1\ X0) \quad (11)$$

Theorem 1 $(np_1 \in k2_finseq_1\ np_8)\wedge(np_2 \in k2_finseq_1\ np_8)$.