

t17_radix_1
(TMbLdeFsbNPGpFnMA5rTv9ATkeci9JnRcbz)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v3_card_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_numbers : \iota$ be given. Let $k7_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_finseq_1 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k12_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_finseq_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.((v3_card_1 X1 np_1) \wedge \\ (m2_finseq_1 X1 X0)) \Rightarrow (\exists X2.(m1_subset_1 X2 X0) \wedge (X1 = k12_finseq_1 \\ X0 X2))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.k2_finseq_2 np_1 X0 = k9_finseq_1 X0 \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 X0) \Rightarrow \\ (k7_partfun1 X0 (k12_finseq_1 X0 X1) np_1 = X1)) \end{aligned} \tag{3}$$

Assume the following.

$$\forall X0.k9_finseq_1 X0 = k5_finseq_1 X0 \tag{4}$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X1 X0)) \Rightarrow \\ (k12_finseq_1 X0 X1 = k5_finseq_1 X1) \end{aligned} \tag{5}$$

Assume the following.

$$\neg v1_xboole_0 k4_numbers \tag{6}$$

Theorem 1

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.((v3_card_1 X1 np_1) \wedge \\ (m2_finseq_1 X1 k4_numbers)) \Rightarrow ((k7_partfun1 k4_numbers X1 np_1 = \\ X0) \Rightarrow (X1 = k9_finseq_1 X0))) \end{aligned}$$