

l8_rfunct_3

(TMd27CbrDudgkrGTZJMyTV8AprnT9dPLWKL6)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k17_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$k5_numbers = k4_ordinal1 \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(\neg v1_xboole_0 X1) \Rightarrow (\\ \forall X2.(m2_finseq_1 X2 X1) \Rightarrow ((r1_xxreal_0 (k3_finseq_1 X2) \\ X0) \Rightarrow (k17_finseq_1 X1 X0 X2 = X2)))) \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \tag{3}$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(\neg v1_xboole_0 \\ X1) \Rightarrow (\forall X2.(m2_finseq_1 X2 X1) \Rightarrow ((r1_xxreal_0 (k3_finseq_1 \\ X2) X0) \Rightarrow (k17_finseq_1 X1 X0 X2 = X2)))) \end{aligned}$$