

t2_modal_1 (TMJapmpyiqWH- BAEgK5usGYNLyQitaUSSDvS)

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Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k12_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m2_finseq_1 X1 X0) \Rightarrow \\ & (\neg(X1 \neq k1_xboole_0) \wedge (\forall X2.(m2_finseq_1 X2 X0) \Rightarrow (\forall X3. \\ & (m1_subset_1 X3 X0) \Rightarrow (X1 \neq k8_finseq_1 X0 (k12_finseq_1 X0 X3) X2)))))) \end{aligned} \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$(\neg v1_xboole_0 k4_ordinal1) \wedge (v3_ordinal1 k4_ordinal1) \quad (3)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 k5_numbers) \Rightarrow (\neg(X0 \neq k1_xboole_0) \wedge \\ & (\forall X1.(m2_finseq_1 X1 k5_numbers) \Rightarrow (\forall X2.(m1_subset_1 \\ & X2 k5_numbers) \Rightarrow (X0 \neq k8_finseq_1 k5_numbers (k12_finseq_1 k5_numbers \\ & X2) X1)))))) \end{aligned}$$