

t9_fomodel0 (TMWkR-
WhJk6KWDafdsrwbHwZEK64aWLBn)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $np_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1_tarski X0 X1) \wedge (r1_xboole_0 X0 X2)) \Rightarrow (r1_tarski X0 (k4_xboole_0 X1 X2)) \quad (1)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (2)$$

Assume the following.

$$\forall X0. k4_finseq_2 k6_numbers X0 = k1_tarski k1_xboole_0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 k5_numbers) \Rightarrow (r1_tarski (k4_finseq_2 X1 X0) (k3_finseq_2 X0)) \quad (5)$$

Assume the following.

$$((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \quad (6)$$

Assume the following.

$$\neg v1_xboole_0 np_1 \quad (7)$$

Assume the following.

$$(m2_subset_1\ np_0\ k1_numbers\ k5_numbers) \wedge ((m1_subset_1\ np_0\ k5_numbers) \wedge (m1_subset_1\ np_0\ k1_numbers)) \quad (8)$$

Assume the following.

$$v1_xboole_0\ np_0 \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.k6_subset_1\ X0\ X1 = k4_xboole_0\ X0\ X1 \quad (10)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (11)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (12)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.(v7_ordinal1\ X2) \Rightarrow (\forall X3. \\ & (v7_ordinal1\ X3) \Rightarrow ((\neg r1_xboole_0\ (k4_finseq_2\ X2\ X0)\ (k4_finseq_2 \\ & \quad X3\ X1)) \Rightarrow (X2 = X3))) \end{aligned} \quad (13)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((v7_ordinal1\ X0) \wedge ((\neg v1_xboole_0\ X1) \wedge \\ & (v7_ordinal1\ X1))) \Rightarrow (\neg v1_xboole_0\ (k2_xcmplx_0\ X0\ X1)) \end{aligned} \quad (14)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((v7_ordinal1\ X0) \wedge (v7_ordinal1\ X1)) \Rightarrow (\\ & \quad v7_ordinal1\ (k2_xcmplx_0\ X0\ X1)) \end{aligned} \quad (15)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Leftrightarrow (X0 \in k4_ordinal1) \quad (16)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k4_ordinal1) \Rightarrow (v7_ordinal1\ X0) \quad (17)$$

Theorem 1

$$\begin{aligned} & \forall X0.\forall X1.(v7_ordinal1\ X1) \Rightarrow (r1_tarski\ (k4_finseq_2 \\ & (k2_xcmplx_0\ X1\ np_1)\ X0)\ (k6_subset_1\ (k3_finseq_2\ X0)\ (k1_tarski \\ & \quad k1_xboole_0))) \end{aligned}$$