

t1_modelc_1
(TMPLg5KhDvLXcw5sXQnK4zjMdihvJQc7sik)

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Let $v1_modelc_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k12_modelc_1 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_modelc_1 : \iota \Rightarrow \iota$ be given. Let $k7_modelc_1 : \iota \Rightarrow \iota$ be given. Let $k8_modelc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_modelc_1 : \iota \Rightarrow \iota$ be given. Let $k10_modelc_1 : \iota \Rightarrow \iota$ be given. Let $k11_modelc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

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

Assume the following.

$$\neg v1_xboole_0 \ k12_modelc_1 \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 \ X0) \Rightarrow ((m1_subset_1 \ X1 \ X0) \Leftrightarrow (X1 \in X0))) \wedge ((v1_xboole_0 \ X0) \Rightarrow ((m1_subset_1 \ X1 \ X0) \Leftrightarrow (v1_xboole_0 \ X1))) \tag{3}$$

Assume the following.

$$\forall X0. (m2_finseq_1 \ X0 \ k5_numbers) \Rightarrow ((v1_modelc_1 \ X0) \Leftrightarrow (m1_subset_1 \ X0 \ k12_modelc_1)) \tag{4}$$

Assume the following.

$$\begin{aligned}
& \forall X0. (\neg v1_xboole_0 X0) \Rightarrow ((X0 = k12_modelc_1) \Leftrightarrow ((\forall X1. \\
& (X1 \in X0) \Rightarrow (m2_finseq_1 X1 k5_numbers)) \wedge ((\forall X1. (m1_subset_1 \\
& X1 k5_numbers) \Rightarrow (k6_modelc_1 X1 \in X0)) \wedge ((\forall X1. (m2_finseq_1 \\
& X1 k5_numbers) \Rightarrow ((X1 \in X0) \Rightarrow (k7_modelc_1 X1 \in X0))) \wedge ((\forall X1. \\
& (m2_finseq_1 X1 k5_numbers) \Rightarrow (\forall X2. (m2_finseq_1 X2 k5_numbers) \Rightarrow \\
& (((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k8_modelc_1 X1 X2 \in X0)))) \wedge ((\forall X1. \\
& (m2_finseq_1 X1 k5_numbers) \Rightarrow ((X1 \in X0) \Rightarrow (k9_modelc_1 X1 \in X0))) \wedge \\
& ((\forall X1. (m2_finseq_1 X1 k5_numbers) \Rightarrow ((X1 \in X0) \Rightarrow (k10_modelc_1 \\
& X1 \in X0))) \wedge ((\forall X1. (m2_finseq_1 X1 k5_numbers) \Rightarrow (\forall X2. \\
& (m2_finseq_1 X2 k5_numbers) \Rightarrow (((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k11_modelc_1 \\
& X1 X2 \in X0)))) \wedge (\forall X1. (\neg v1_xboole_0 X1) \Rightarrow (((\forall X2. (X2 \in \\
& X1) \Rightarrow (m2_finseq_1 X2 k5_numbers)) \wedge ((\forall X2. (m1_subset_1 \\
& X2 k5_numbers) \Rightarrow (k6_modelc_1 X2 \in X1)) \wedge ((\forall X2. (m2_finseq_1 \\
& X2 k5_numbers) \Rightarrow ((X2 \in X1) \Rightarrow (k7_modelc_1 X2 \in X1))) \wedge ((\forall X2. \\
& (m2_finseq_1 X2 k5_numbers) \Rightarrow (\forall X3. (m2_finseq_1 X3 k5_numbers) \Rightarrow \\
& (((X2 \in X1) \wedge (X3 \in X1)) \Rightarrow (k8_modelc_1 X2 X3 \in X1)))) \wedge ((\forall X2. \\
& (m2_finseq_1 X2 k5_numbers) \Rightarrow ((X2 \in X1) \Rightarrow (k9_modelc_1 X2 \in X1))) \wedge \\
& ((\forall X2. (m2_finseq_1 X2 k5_numbers) \Rightarrow ((X2 \in X1) \Rightarrow (k10_modelc_1 \\
& X2 \in X1))) \wedge (\forall X2. (m2_finseq_1 X2 k5_numbers) \Rightarrow (\forall X3. \\
& (m2_finseq_1 X3 k5_numbers) \Rightarrow (((X2 \in X1) \wedge (X3 \in X1)) \Rightarrow (k11_modelc_1 \\
& X2 X3 \in X1)))))))))) \Rightarrow (r1_tarski X0 X1)))))))))
\end{aligned} \tag{5}$$

Theorem 1

$$\forall X0. ((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Leftrightarrow (X0 \in k12_modelc_1)$$