

l10_modelc_3
(TMdj54myJYifgfCQhmHUuuVj4JYW9jzbzPdZ)

October 27, 2020

Let $v1_modelc_2 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $r2_modelc_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k13_modelc_2 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. ((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ \forall X1. ((v1_modelc_2 X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow (\\ (X0 \in k13_modelc_2 X1) \Leftrightarrow (r2_modelc_2 X0 X1))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 X0) \Rightarrow (\forall X2. (m1_subset_1 \\ X2 X0) \Rightarrow ((X0 \neq k1_xboole_0) \Rightarrow (m1_subset_1 (k2_tarski X1 X2) (k1_zfmisc_1 \\ X0)))) \end{aligned} \quad (3)$$

Assume the following.

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

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (5)$$

Theorem 1

$$\begin{aligned} \forall X0. ((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ \forall X1. ((v1_modelc_2 X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow (\\ \forall X2. ((v1_modelc_2 X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow (\\ ((r2_modelc_2 X0 X1) \wedge (r2_modelc_2 X2 X1)) \Rightarrow (m1_subset_1 (k2_tarski \\ X0 X2) (k1_zfmisc_1 (k13_modelc_2 X1)))))) \end{aligned}$$