

t17_modelc.3

(TMZD1tMch4u1daXMcoHuT6o7M1vHAjnB9km)

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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 $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k13_modelc.2 : \iota \Rightarrow \iota$ be given. Let $r1_xxreal.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k18_modelc.3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole.0 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_modelc.3 : \iota \Rightarrow \iota$ be given. Let $k1_xboole.0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \neg (X0 \in X1) \wedge ((m1_subset.1 X1 (k1_zfmisc.1 X2)) \wedge (v1_xboole.0 X2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset.1 X0 (k1_zfmisc.1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. ((v1_modelc.2 X0) \wedge (m2_finseq.1 X0 k5_numbers)) \Rightarrow & \\ \forall X1. (m1_subset.1 X1 (k1_zfmisc.1 (k13_modelc.2 X0))) \Rightarrow & \\ (\forall X2. (m1_subset.1 X2 (k1_zfmisc.1 (k13_modelc.2 X0))) \Rightarrow & \\ ((r1_tarski X1 X2) \Rightarrow (r1_xxreal.0 (k18_modelc.3 X0 X1) (k18_modelc.3 & \\ X0 X2)))) & \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0. ((v1_modelc.2 X0) \wedge (m2_finseq.1 X0 k5_numbers)) \Rightarrow (k18_modelc.3 X0 (k7_modelc.3 X0) = k6_numbers) \quad (4)$$

Assume the following.

$$k6_numbers = k1_xboole.0 \quad (5)$$

Assume the following.

$$v1_xboole.0 k1_xboole.0 \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarSKI X0 X1)\Leftrightarrow(\forall X2.(X2 \in X0)\Rightarrow (X2 \in X1)) \quad (7)$$

Assume the following.

$$\forall X0.((v1_modelc_2 X0)\wedge(m2_finseq_1 X0 k5_numbers))\Rightarrow(k7_modelc_3 X0 = k1_xboole_0) \quad (8)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1)\Leftrightarrow((r1_tarSKI X0 X1)\wedge(r1_tarSKI X1 X0)) \quad (9)$$

Theorem 1

$$\begin{aligned} &\forall X0.((v1_modelc_2 X0)\wedge(m2_finseq_1 X0 k5_numbers))\Rightarrow(\\ &\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (k13_modelc_2 X0)))\Rightarrow \\ &(r1_xxreal_0 k6_numbers (k18_modelc_3 X0 X1))) \end{aligned}$$