

t83_modelc_2

(TMFG92pB87WtTuPyAEhyV2nVky22wEveMyo)

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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k25_modelc_2 : \iota \Rightarrow \iota$ be given. Let $k43_modelc_2 : \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k9_modelc_2 : \iota$ be given. Let $k3_modelc_2 : \iota \Rightarrow \iota$ be given. Let $r8_modelc_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r7_modelc_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ & \forall X1.(m1_subset_1 X1 (k25_modelc_2 k43_modelc_2)) \Rightarrow ((r7_modelc_2 X1 (k3_modelc_2 X0)) \Leftrightarrow (\neg r7_modelc_2 X1 X0))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Leftrightarrow (X0 \in k9_modelc_2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\forall X2. (X2 \in X1) \Rightarrow (X2 \in X0)) \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (k25_modelc_2 k43_modelc_2)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (k1_zfmisc_1 k9_modelc_2)) \Rightarrow ((r8_modelc_2 X0 X1) \Leftrightarrow (\forall X2.((v1_modelc_2 X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow ((X2 \in X1) \Rightarrow (r7_modelc_2 X0 X2)))))) \end{aligned} \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ & \forall X1.(m1_subset_1 X1 (k25_modelc_2 k43_modelc_2)) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (k1_zfmisc_1 k9_modelc_2)) \Rightarrow (\neg (X0 \in X2) \wedge ((k3_modelc_2 X0 \in X2) \wedge (r8_modelc_2 X1 X2)))))) \end{aligned}$$