

t13_modelc_3

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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 $k18_modelc_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_modelc_3 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k17_modelc_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k1_modelc_3 : \iota \Rightarrow \iota$ be given. Let $k13_modelc_2 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow \\ (\forall X1.((v1_modelc_2 X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow \\ (k17_modelc_3 X1 (k7_modelc_3 X1) X0 = k6_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m2_finseq_1 X1 X0) \Leftrightarrow (m1_finseq_1 X1 X0) \quad (2)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (3)$$

Assume the following.

$$\forall X0. ((v1_modelc_2 X0) \wedge (m1_finseq_1 X0 k5_numbers)) \Rightarrow (k1_modelc_3 X0 = k13_modelc_2 X0) \quad (4)$$

Assume the following.

$$\forall X0. ((v1_modelc_2 X0) \wedge (m1_finseq_1 X0 k5_numbers)) \Rightarrow (m1_subset_1 (k7_modelc_3 X0) (k1_zfmisc_1 (k1_modelc_3 X0))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (((v1_modelc_2 X0) \wedge (m1_finseq_1 X0 k5_numbers)) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k13_modelc_2 X0)))) \Rightarrow (m1_subset_1 (k18_modelc_3 X0 X1) k1_numbers) \quad (6)$$

Assume the following.

$$\begin{aligned}
& \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\
& \quad \forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (k13_modelc_2 X0))) \Rightarrow \\
& \quad (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow ((X2 = k18_modelc_3 X0 \\
& \quad X1) \Leftrightarrow (\exists X3.((v1_relat_1 X3) \wedge ((v1_funct_1 X3) \wedge (v1_finseq_1 \\
& \quad X3)))) \wedge ((k10_xtuple_0 X3 = k1_modelc_3 X0) \wedge ((v2_funct_1 X3) \wedge \\
& \quad X2 = k17_modelc_3 X0 X1 X3))))))
\end{aligned} \tag{7}$$

Assume the following.

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

Theorem 1

$$\forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (k18_modelc_3 X0 (k7_modelc_3 X0) = k6_numbers)$$