

t1_mssublat (TM-
dAV7ArKvaZwS7Lm1bE1HGceZPET3tMj5U)

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Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k3_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k7_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k2_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. k2_finseq_2 k6_numbers X0 = k1_xboole_0 \quad (1)$$

Assume the following.

$$\forall X0. k2_tarski X0 X0 = k1_tarski X0 \quad (2)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (3)$$

Assume the following.

$$k6_numbers \in k5_numbers \quad (4)$$

Assume the following.

$$\forall X0. (v1_funct_1 (k7_finseq_2 X0)) \wedge ((v1_funct_2 (k7_finseq_2 X0) k5_numbers (k3_finseq_2 (k1_tarski X0))) \wedge (m1_subset_1 (k7_finseq_2 X0) (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers (k3_finseq_2 (k1_tarski X0)))))) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 k5_numbers (k3_finseq_2 (k1_tarski X0))) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers (k3_finseq_2 (k1_tarski X0))))))) \Rightarrow ((X1 = k7_finseq_2 X0) \Leftrightarrow (\forall X2. (m1_subset_1 X2 k5_numbers) \Rightarrow (k3_funct_2 k5_numbers (k3_finseq_2 (k1_tarski X0)) X1 X2 = k2_finseq_2 X2 X0))) \quad (6)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (7)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \Rightarrow ((m1_subset_1 X1 X0) \Leftrightarrow \\ (X1 \in X0))) \wedge ((v1_xboole_0 X0) \Rightarrow ((m1_subset_1 X1 X0) \Leftrightarrow (v1_xboole_0 \\ X1))) \end{aligned} \quad (8)$$

Theorem 1

$$\begin{aligned} \forall X0. k3_funct_2 k5_numbers (k3_finseq_2 (k1_tarski X0)) \\ (k7_finseq_2 X0) k6_numbers = k1_xboole_0 \end{aligned}$$