

t2_mssublat (TM-
bjj5thug6VMtSWrYnEVYuvmLMbVByT'Tyk)

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Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $np_1 : \iota$ be given. Let $k9_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k2_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. k2_finseq_2 np_1 X0 = k9_finseq_1 X0 \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 np_1) \wedge (m2_subset_1 np_1 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset_1 np_1 k5_numbers) \wedge (m1_subset_1 np_1 k1_numbers)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. (v1_funct_1 (k7_finseq_2 X0)) \wedge ((v1_funct_2 (k7_finseq_2 \\ & X0) k5_numbers (k3_finseq_2 (k1_tarski X0))) \wedge (m1_subset_1 (k7_finseq_2 \\ & X0) (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers (k3_finseq_2 (k1_tarski \\ & X0)))))) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 k5_numbers \\ & (k3_finseq_2 (k1_tarski X0))) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (\\ & k2_zfmisc_1 k5_numbers (k3_finseq_2 (k1_tarski X0)))))) \Rightarrow ((\\ & X1 = k7_finseq_2 X0) \Leftrightarrow (\forall X2. (m1_subset_1 X2 k5_numbers) \Rightarrow \\ & (k3_funct_2 k5_numbers (k3_finseq_2 (k1_tarski X0)) X1 X2 = k2_finseq_2 \\ & X2 X0))) \end{aligned} \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0. k3_funct_2 k5_numbers (k3_finseq_2 (k1_tarski X0)) \\ & (k7_finseq_2 X0) np_1 = k9_finseq_1 X0 \end{aligned}$$