

t3\_mssublat (TMN-  
PjqnUwLxLQ9qqLTrZVmWWU5G52d6SSAt)

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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  $np\_2 : \iota$  be given. Let  $k10\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  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.

$$\forall X0. k2\_finseq\_2 np\_2 X0 = k10\_finseq\_1 X0 X0 \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0 np\_2) \wedge (m2\_subset\_1 np\_2 k1\_numbers k5\_numbers)) \wedge \\ & ((m1\_subset\_1 np\_2 k5\_numbers) \wedge (m1\_subset\_1 np\_2 k1\_numbers)) \end{aligned} \quad (2)$$

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**

$$\begin{aligned} & \forall X0. k3\_funct\_2 k5\_numbers (k3\_finseq\_2 (k1\_tarski X0)) \\ & (k7\_finseq\_2 X0) np\_2 = k10\_finseq\_1 X0 X0 \end{aligned}$$