

t4\_mssublat (TMY-  
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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  $np\_3 : \iota$  be given. Let  $k11\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  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.

$$\forall X0.k2\_finseq\_2\ np\_3\ X0 = k11\_finseq\_1\ X0\ X0\ X0 \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0\ np\_3) \wedge (m2\_subset\_1\ np\_3\ k1\_numbers\ k5\_numbers)) \wedge \\ & ((m1\_subset\_1\ np\_3\ k5\_numbers) \wedge (m1\_subset\_1\ np\_3\ k1\_numbers)) \end{aligned} \quad (2)$$

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**

$$\begin{aligned} & \forall X0.k3\_funct\_2\ k5\_numbers\ (k3\_finseq\_2\ (k1\_tarski\ X0)) \\ & (k7\_finseq\_2\ X0)\ np\_3 = k11\_finseq\_1\ X0\ X0\ X0 \end{aligned}$$