t49_finseq_1 (TMLY7b95XfYDEqaxQ66D9EjPrSMPE3KK6GC)

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Let $k1\_xboole\_0 : \iota$ be given. Let $k13\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_finseq\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.m2\_finseq\_1\ (k6\_finseq\_1\ X0)\ X0 \tag{1}$$

Assume the following.

$$\forall X0.k6\_finseq\_1\ X0 = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k13\_finseq\_1\ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (m2\_finseq\_1\ X2\ X0)) \tag{3}$$

Theorem 1 $\forall X0.k1\_xboole\_0 \in k13\_finseq\_1\ X0$.