

t98\_finseq\_2  
 (TMK9q1HzNYKodgrYQuDvKNvgVcGGEeCFQGr)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k12\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (k4\_finseq\_2 np\_1 X0 = ReplSep ( \quad (1)$$

$$toset (\lambda X1 : \iota. m1\_subset\_1 X1 X0)) (\lambda X1 : \iota. True) (\lambda X1 : \iota. k12\_finseq\_1 X0 X1))$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 X0) \Rightarrow (k12\_finseq\_1 X0 X1 \in k4\_finseq\_2 np\_1 X0))$$