

t76\_finseq\_1

(TMNzqpxKuGfdqTKA8RADipW9iTQgJur8hcd)

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Let  $k9\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_relat\_1 (k9\_finseq\_1 X0)) \wedge (v1\_funct\_1 (k9\_finseq\_1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1)) \Rightarrow ((X1 = k9\_finseq\_1 X0) \Leftrightarrow ((k9\_xtuple\_0 X1 = k2\_finseq\_1 np\_1) \wedge (k1\_funct\_1 X1 np\_1 = X0))) \quad (2)$$

**Theorem 1**  $\forall X0.\forall X1.(k9\_finseq\_1 X0 = k9\_finseq\_1 X1) \Rightarrow (X0 = X1).$