

t1\_bspace  
(TMT21ykVCypUCs4jwTG9VRCvtTgBPar1nV8)

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Let  $l1\_struct\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k4\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $r1\_struct\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (m2\_finseq\_1 X2 X0) \Rightarrow (((X1 \in k4\_finseq\_1 X2) \vee (X1 \in k4\_finseq\_1 X2)) \Rightarrow (k1\_funct\_1 X2 X1 \in X0)) \quad (1)$$

Assume the following.

$$\forall X0. (l1\_struct\_0 X0) \Rightarrow (\forall X1. (r1\_struct\_0 X0 X1) \Leftrightarrow (X1 \in u1\_struct\_0 X0)) \quad (2)$$

**Theorem 1**

$$\forall X0. (l1\_struct\_0 X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 k5\_numbers) \Rightarrow (\forall X2. (m2\_finseq\_1 X2 (u1\_struct\_0 X0)) \Rightarrow ((X1 \in k4\_finseq\_1 X2) \Rightarrow (r1\_struct\_0 X0 (k1\_funct\_1 X2 X1)))))$$