

t2\_dtconstr  
(TMFfvvyv4QmBsU4uncSYzaK2z7xUqZpmUnpi)

October 27, 2020

Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

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

**Theorem 1**

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