

t12_fomodel0
(TMPFtMAhjk6Vgo4fX1F3ZU4M3fcRaFthCx6)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_finseq_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (v7_ordinal1 X0) \Rightarrow (m1_finseq_2 (k4_finseq_2 X0 X1) X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_finseq_2 X1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Rightarrow (m2_finseq_1 X2 X0)) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (v7_ordinal1 X2) \Rightarrow ((X0 \in k4_finseq_2 X2 X1) \Rightarrow (m2_finseq_1 X0 X1))$$