

t3_fomodel0 (TMRomATH-
ZHMtxs4wwGvSvMCwcWGZwDf9pBv)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. k3_xboole_0 (k1_funct_2 X0 X1) \\ & (k1_funct_2 X0 X2) = k1_funct_2 X0 (k3_xboole_0 X1 X2) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. k4_finseq_2 X0 X1 = k1_funct_2 \\ & (k2_finseq_1 X0) X1) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (v7_ordinal1 X2) \Rightarrow (k4_finseq_2 \\ & X2 (k3_xboole_0 X0 X1) = k3_xboole_0 (k4_finseq_2 X2 X0) (k4_finseq_2 \\ & X2 X1)) \end{aligned}$$