

t9_ordinal3 (TM-
SWWny4r8Ayqcsourp3dWQwGjeuf69xLBm)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k2_ordinal2 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k2_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k1_setfam_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow ((X0 \neq k1_xboole_0) \Rightarrow (k1_xboole_0 \in X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (k2_ordinal1 X0 = X0) \quad (2)$$

Assume the following.

$$\forall X0.(k1_xboole_0 \in X0) \Rightarrow (k1_setfam_1 X0 = k1_xboole_0) \quad (3)$$

Assume the following.

$$\forall X0.k2_ordinal2 X0 = k1_setfam_1 (k2_ordinal1 X0) \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.((X0 \neq k1_xboole_0) \Rightarrow ((X1 = k1_setfam_1 X0) \Leftrightarrow \\ (\forall X2.(X2 \in X1) \Leftrightarrow (\forall X3.(X3 \in X0) \Rightarrow (X2 \in X3)))))) \wedge ((X0 = \\ k1_xboole_0) \Rightarrow ((X1 = k1_setfam_1 X0) \Leftrightarrow (X1 = k1_xboole_0))) \end{aligned} \quad (5)$$

Theorem 1 $\forall X0.(v3_ordinal1 X0) \Rightarrow (k2_ordinal2 X0 = k1_xboole_0)$.