t26_ordinal3 (TM-MqqqvptWL7swjpuemtWkzWCMU17DRta6c)

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Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $k10\_ordinal2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow ((X0 \neq k1\_xboole\_0) \Rightarrow (k1\_xboole\_0 \in X0)) \tag{1}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (k10\_ordinal2\ X0\ k1\_xboole\_0 = X0) \tag{2}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow (\forall X2.\ (v3\_ordinal1\ X2) \Rightarrow ((X0 \in X1) \Rightarrow ((X0 \in k10\_ordinal2\ X1\ X2) \wedge (X0 \in k10\_ordinal2\ X2\ X1))))) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(v3\_ordinal1\ X1) \Rightarrow ((X0 \in X1) \Rightarrow (v3\_ordinal1\ X0)) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (\neg X1 \in X0) \tag{5}$$

Theorem 1

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow ((k10\_ordinal2\ X0\ X1 = k1\_xboole\_0) \Rightarrow ((X0 = k1\_xboole\_0) \wedge (X1 = k1\_xboole\_0))))$$