t54_ordinal3 (TMaZTwWth6ztNo4mATCMV4LQkvKaBnfTN8u)

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Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $k5\_ordinal3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k10\_ordinal2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

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

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow (k5\_ordinal3\ (k10\_ordinal2\ X0\ X1)\ X0 = X1)) \tag{2}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (k10\_ordinal2\ X0\ k1\_xboole\_0 = X0) \tag{3}$$

Assume the following.

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

Theorem 1 $\forall X0.(v3\_ordinal1\ X0) \Rightarrow (k5\_ordinal3\ X0\ X0 = k1\_xboole\_0)$.