t3_card_5 (TMJbSwdBmnco4G4u7MNd2WipGExJYaigYGZ)

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Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k3\_card\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_card\_1 : \iota \Rightarrow o$ 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.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow ((v1\_finset\_1\ X0) \Leftrightarrow (X0 \in k4\_ordinal1)) \tag{2}$$

Assume the following.

$$k3\_card\_1\ k1\_xboole\_0 = k4\_ordinal1 \tag{3}$$

Assume the following.

$$\begin{gathered}\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow ((\\ X0 \in X1) \Leftrightarrow (k3\_card\_1\ X0 \in k3\_card\_1\ X1)))\end{gathered} \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(v3\_ordinal1\ X1) \Rightarrow ((X0 \in X1) \Rightarrow (v3\_ordinal1\ X0)) \tag{5}$$

Assume the following.

$$\neg v1\_finset\_1\ k4\_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (v1\_card\_1\ (k3\_card\_1\ X0)) \tag{7}$$

Assume the following.

$$\forall X0.(v1\_card\_1\ X0) \Rightarrow (v3\_ordinal1\ X0) \tag{8}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (\neg X1 \in X0) \tag{9}$$

Theorem 1 $\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\neg v1\_finset\_1\ (k3\_card\_1\ X0))$.