t4_card_lar (TM-LVPQ7S8PCgHdPeSbTSUZSNYRjGjn6p5Ee)

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Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $v4\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_card\_lar : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_ordinal2 : \iota \Rightarrow \iota$ be given. Let $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_ordinal1 : \iota \Rightarrow o$ be given. Let $r2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{1}$$

Assume the following.

$$\forall X0.((v3\_ordinal1\ X0) \wedge ((v4\_ordinal1\ X0) \wedge (\neg v1\_finset\_1\ X0))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)) \Rightarrow (r1\_tarski\ X1\ (k3\_ordinal2\ X1))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Rightarrow (r1\_ordinal1\ (k3\_ordinal2\ X0)\ (k3\_ordinal2\ X1)) \tag{3}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (k3\_ordinal2\ X0 = X0) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_ordinal1\ X0) \Rightarrow (\forall X1.(v3\_ordinal1\ X1) \Rightarrow ((r2\_xboole\_0\ X0\ X1) \Rightarrow (X0 \in X1))) \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.((v3\_ordinal1\ X0) \wedge (v3\_ordinal1\ X1)) \Rightarrow ((r1\_ordinal1\ X0\ X1) \Leftrightarrow (r1\_tarski\ X0\ X1)) \tag{6}$$

Assume the following.

$$\forall X0.v3\_ordinal1\ (k3\_ordinal2\ X0) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.(r2\_xboole\_0\ X0\ X1)\Leftrightarrow((r1\_tarski\ X0\ X1)\wedge (X0\neq X1)) \tag{8}$$

Assume the following.

$$\forall X0.((v3\_ordinal1\ X0)\wedge((v4\_ordinal1\ X0)\wedge(\neg v1\_finset\_1\ X0)))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))\Rightarrow((v1\_card\_lar\ X1\ X0)\Leftrightarrow(k3\_ordinal2\ X1 = X0))) \tag{9}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0)\Rightarrow((v1\_ordinal1\ X0)\wedge(v2\_ordinal1\ X0)) \tag{10}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1)\Rightarrow(\neg X1 \in X0) \tag{11}$$

Theorem 1

$$\forall X0.((v3\_ordinal1\ X0)\wedge((v4\_ordinal1\ X0)\wedge(\neg v1\_finset\_1\ X0)))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0))\Rightarrow((\neg(\neg v1\_card\_lar\ X1\ X0)\wedge(\forall X2.(v3\_ordinal1\ X2)\Rightarrow(\neg(X2 \in X0)\wedge(r1\_tarski\ X1\ X2))))\wedge(\neg(\exists X2.(v3\_ordinal1\ X2)\wedge((X2 \in X0)\wedge(r1\_tarski\ X1\ X2)))\wedge(v1\_card\_lar\ X1\ X0))))$$