

t6_card_lar (TMYdvMzo- dAC7WjKZkreu7ceH5yRnPVoK5fv)

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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 $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v3_ordinal1 X0) \wedge ((v4_ordinal1 X0) \wedge (\neg v1_finset_1 \\ & X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow ((\neg(\neg v1_card_lar \\ & X1 X0) \wedge (\forall X2.(v3_ordinal1 X2) \Rightarrow (\neg(X2 \in X0) \wedge (r1_tarski X1 \\ & X2)))) \wedge (\neg(\exists X2.(v3_ordinal1 X2) \wedge ((X2 \in X0) \wedge (r1_tarski \\ & X1 X2)))) \wedge (v1_card_lar X1 X0)))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1.(m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1.(X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \tag{3}$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_ordinal1 X0 X1) \vee (X1 \in X0))) \tag{4}$$

Assume the following.

$$\forall X0. \forall X1.((v3_ordinal1 X0) \wedge (v3_ordinal1 X1)) \Rightarrow ((r1_ordinal1 X0 X1) \Leftrightarrow (r1_tarski X0 X1)) \tag{5}$$

Assume the following.

$$\forall X0. \forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{6}$$

Assume the following.

$$\forall X0.(v3_ordinal1\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v3_ordinal1\ X1)) \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1)\Rightarrow(\neg X1 \in X0) \quad (8)$$

Theorem 1

$$\begin{aligned} \forall X0.((v3_ordinal1\ X0)\wedge((v4_ordinal1\ X0)\wedge(\neg v1_finset_1 \\ X0)))\Rightarrow(\forall X1.(m1_subset_1\ X1\ (k1_zfmisc_1\ X0))\Rightarrow((v1_card_lar \\ X1\ X0)\Leftrightarrow(\forall X2.(v3_ordinal1\ X2)\Rightarrow(\neg(X2 \in X0)\wedge(\forall X3.(\\ v3_ordinal1\ X3)\Rightarrow(\neg(X3 \in X1)\wedge(r1_ordinal1\ X2\ X3))))))) \end{aligned}$$