

t7_card_lar
(TMXv2G1GMAQ5XQaSqmMdtLNm3q3xgiAGX4XL)

October 27, 2020

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 $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k3_ordinal2 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (k3_ordinal2 X0 = X0) \quad (1)$$

Assume the following.

$$\forall X0.((v3_ordinal1 X0) \wedge ((v4_ordinal1 X0) \wedge (\neg v1_finset_1 X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow ((v1_card_lar X1 X0) \Leftrightarrow (k3_ordinal2 X1 = X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (v7_ordinal1 X0) \quad (3)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (v1_finset_1 X0) \quad (4)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (v3_ordinal1 X0) \quad (5)$$

Theorem 1

$$\forall X0.((v3_ordinal1 X0) \wedge ((v4_ordinal1 X0) \wedge (\neg v1_finset_1 X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (\neg (v1_card_lar X1 X0) \wedge (v1_xboole_0 X1)))$$