

t1_card_fil (TMHZGfAUaJWz- fUW491RfM86kzpp8aJ7Gb9G)

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Let $v1_finset.1 : \iota \Rightarrow o$ be given. Let $k5_card.1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_card.1 : \iota \Rightarrow \iota$ be given. Let $v1_card.1 : \iota \Rightarrow o$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_card.1 X0) \Rightarrow (\forall X1.(v1_card.1 X1) \Rightarrow ((v1_finset.1 X0) \Rightarrow ((v1_finset.1 X1) \vee ((X0 \in X1) \wedge (r1_ordinal1 X0 X1)))))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_finset.1 X0) \Rightarrow (k5_card.1 X0 = k1_card.1 X0) \quad (2)$$

Assume the following.

$$\forall X0.(\neg v1_finset.1 X0) \Rightarrow ((\neg v1_finset.1 (k1_card.1 X0)) \wedge (v1_card.1 (k1_card.1 X0))) \quad (3)$$

Assume the following.

$$\forall X0.(v1_finset.1 X0) \Rightarrow ((v1_finset.1 (k1_card.1 X0)) \wedge (v1_card.1 (k1_card.1 X0))) \quad (4)$$

Assume the following.

$$\forall X0.v1_finset.1 (k1_tarski X0) \quad (5)$$

Assume the following.

$$\forall X0.v1_card.1 (k1_card.1 X0) \quad (6)$$

Theorem 1

$$\forall X0.\forall X1.(\neg v1_finset.1 X1) \Rightarrow (k5_card.1 (k1_tarski X0) \in k1_card.1 X1)$$