

t84_card.3 (TMTAJsTexmgCLBUT-
FVNCMZYZCG2qDGx214p)

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Let $v1_finset.1 : \iota \Rightarrow o$ be given. Let $k1_card.1 : \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_card.1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow ((v1_finset.1 X0) \Leftrightarrow (X0 \in k4_ordinal1)) \quad (1)$$

Assume the following.

$$\forall X0.(\neg v1_finset.1 X0) \Rightarrow ((\neg v1_finset.1 (k1_card.1 X0)) \wedge (v1_card.1 (k1_card.1 X0))) \quad (2)$$

Assume the following.

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

Assume the following.

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

Assume the following.

$$\forall X0.(v1_card.1 X0) \Rightarrow (v3_ordinal1 X0) \quad (5)$$

Theorem 1 $\forall X0.(v1_finset.1 X0) \Leftrightarrow (k1_card.1 X0 \in k4_ordinal1).$