

t82_card_2 (TM-
dokR9WizLaYtTuRS2RNcgsEMRwshkKsAx)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $k2_card_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow ((v1_finset_1 (k1_card_1 X0)) \wedge (v1_card_1 (k1_card_1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v1_finset_1 X0) \wedge (v1_finset_1 X1)) \Rightarrow (v1_finset_1 (k2_zfmisc_1 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0.(v1_card_1 X0) \Rightarrow (\forall X1.(v1_card_1 X1) \Rightarrow (k2_card_2 X0 X1 = k1_card_1 (k2_zfmisc_1 X0 X1))) \quad (3)$$

Theorem 1

$$\forall X0.((v1_finset_1 X0) \wedge (v1_card_1 X0)) \Rightarrow (\forall X1.((v1_finset_1 X1) \wedge (v1_card_1 X1)) \Rightarrow (v1_finset_1 (k2_card_2 X0 X1)))$$