

t25_card_fil

(TMZToM1i4n1dHA1ui6FZ5NxEVUqLZ1q8h2V)

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Let $v4_card_fil : \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $v1_card_5 : \iota \Rightarrow o$ be given. Let $k2_card_1 : \iota \Rightarrow \iota$ be given. Let $v2_card_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. ((\neg v1_finset_1 X0) \wedge (v1_card_1 X0)) \Rightarrow ((v1_card_5 k4_ordinal1) \wedge (v1_card_5 (k2_card_1 X0))) \tag{1}$$

Assume the following.

$$\neg v1_finset_1 k4_ordinal1 \tag{2}$$

Assume the following.

$$v2_card_1 k4_ordinal1 \tag{3}$$

Assume the following.

$$v1_card_1 k4_ordinal1 \tag{4}$$

Assume the following.

$$\forall X0. ((\neg v1_finset_1 X0) \wedge (v1_card_1 X0)) \Rightarrow ((v4_card_fil X0) \Leftrightarrow ((v1_card_5 X0) \wedge (v2_card_1 X0))) \tag{5}$$

Theorem 1 $v4_card_fil k4_ordinal1$.