

t39_card_fil
 (TMbrcKU9j11sctyqeS3BRRcFtwhukCKGPU7)

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Let $v1_finset.1 : \iota \Rightarrow o$ be given. Let $v1_card.1 : \iota \Rightarrow o$ be given. Let $v7_card_fil : \iota \Rightarrow o$ be given. Let $v4_card_fil : \iota \Rightarrow o$ be given. Let $v2_card.1 : \iota \Rightarrow o$ be given. Let $v1_card.5 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v1_finset.1 X0) \wedge (v1_card.1 X0)) \Rightarrow ((v7_card_fil X0) \Rightarrow (v2_card.1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.((\neg v1_finset.1 X0) \wedge (v1_card.1 X0)) \Rightarrow ((v7_card_fil X0) \Rightarrow (v1_card.5 X0)) \quad (2)$$

Assume the following.

$$\forall X0.((\neg v1_finset.1 X0) \wedge (v1_card.1 X0)) \Rightarrow ((v4_card_fil X0) \Leftrightarrow ((v1_card.5 X0) \wedge (v2_card.1 X0))) \quad (3)$$

Theorem 1

$$\forall X0.((\neg v1_finset.1 X0) \wedge (v1_card.1 X0)) \Rightarrow ((v7_card_fil X0) \Rightarrow (v4_card_fil X0))$$