

t29\_card\_lar (TMci-  
PaVCz4aAPMfUSJB47AKRxnYsS3EqeU)

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Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $v1\_card\_1 : \iota \Rightarrow o$  be given. Let  $v4\_card\_3 : \iota \Rightarrow o$  be given. Let  $v4\_card\_lar : \iota \Rightarrow o$  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.

$$\forall X0. ((\neg v1\_finset\_1 X0) \wedge ((v1\_card\_1 X0) \wedge (\neg v4\_card\_3 X0))) \Rightarrow ((v4\_card\_lar X0) \Rightarrow (v2\_card\_1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v1\_finset\_1 X0) \wedge ((v1\_card\_1 X0) \wedge (\neg v4\_card\_3 X0))) \Rightarrow ((v4\_card\_lar X0) \Rightarrow (v1\_card\_5 X0)) \quad (2)$$

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**

$$\forall X0. ((\neg v1\_finset\_1 X0) \wedge ((v1\_card\_1 X0) \wedge (\neg v4\_card\_3 X0))) \Rightarrow ((v4\_card\_lar X0) \Rightarrow (v4\_card\_fil X0))$$