

t19\_card\_5

(TMWV4tRyfFDQydEv5PdjHBM4gXTdd5oyKA6)

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Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $v1\_card\_1 : \iota \Rightarrow o$  be given. Let  $k1\_card\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_card\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_card\_1 X0) \Rightarrow ((\neg v1\_finset\_1 X0) \Rightarrow (k1\_card\_2 X0 X0 = X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_card\_1 X0) \Rightarrow ((\neg v1\_finset\_1 X0) \Rightarrow (k2\_card\_2 X0 X0 = X0)) \quad (2)$$

**Theorem 1**

$$\forall X0.((\neg v1\_finset\_1 X0) \wedge (v1\_card\_1 X0)) \Rightarrow ((k1\_card\_2 X0 X0 = X0) \wedge (k2\_card\_2 X0 X0 = X0))$$