t39_card_fin (TMZ7HtdTEaBvQHLf8RbcFCsXYkjzsp5tKdb)

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Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v2\_finset\_1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_tarski : \iota \Rightarrow \iota$ be given. Let $k10\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1\_relat\_1\ X0) \wedge (v1\_funct\_1\ X0)) \Rightarrow ((v1\_finset\_1\ (k9\_xtuple\_0\ X0)) \Rightarrow (v1\_finset\_1\ (k10\_xtuple\_0\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_finset\_1\ X0) \wedge (\forall X1.(X1 \in X0) \Rightarrow (v1\_finset\_1\ X1))) \Leftrightarrow (v1\_finset\_1\ (k3\_tarski\ X0)) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow ((v2\_finset\_1\ X0) \Leftrightarrow (\forall X1.(X1 \in k10\_xtuple\_0\ X0) \Rightarrow (v1\_finset\_1\ X1))) \tag{3}$$

Theorem 1

$$\forall X0.((v1\_relat\_1\ X0) \wedge ((v1\_funct\_1\ X0) \wedge (v2\_finset\_1\ X0))) \Rightarrow ((v1\_finset\_1\ (k9\_xtuple\_0\ X0)) \Rightarrow (v1\_finset\_1\ (k3\_tarski\ (k10\_xtuple\_0\ X0))))$$