t42_card_3 (TMNdYbEY-oTV32GFzofhMeqNAM1hdcFUzbJF)

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Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k1\_card\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_card\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$k1\_card\_1\ k4\_ordinal1 = k4\_ordinal1 \tag{1}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow ((v1\_finset\_1\ X0) \Leftrightarrow (X0 \in k4\_ordinal1)) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_finset\_1\ X0) \Rightarrow ((v1\_finset\_1\ (k1\_card\_1\ X0)) \wedge (v1\_card\_1\ (k1\_card\_1\ X0))) \tag{3}$$

Assume the following.

$$\forall X0.v1\_card\_1\ (k1\_card\_1\ X0) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_card\_1\ X0) \Rightarrow (v3\_ordinal1\ X0) \tag{5}$$

Theorem 1 $\forall X0.(v1\_finset\_1\ X0) \Rightarrow (k1\_card\_1\ X0 \in k1\_card\_1\ k4\_ordinal1)$.