l57_card_1 (TMGzPGR4mcWrdtMR9bRagXs22Sjr7Dx4tzs)

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Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r2\_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\neg(v1\_finset\_1\ X0) \wedge (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\neg r2\_wellord2\ X0\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.(v3\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((r2\_wellord2\ X0\ X1) \Rightarrow (X0 = X1))) \tag{3}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Leftrightarrow (X0 \in k4\_ordinal1) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v1\_finset\_1\ X0) \tag{5}$$

Theorem 1 $\forall X0.(v3\_ordinal1\ X0) \Rightarrow ((v1\_finset\_1\ X0) \Leftrightarrow (X0 \in k4\_ordinal1))$.