

t91_card.3 (TMVBxyEe- jbXuKjmkknKDVV4pdpBvwDXu5cuc)

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Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $k2_card_1 : \iota \Rightarrow \iota$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_card_1 X0) \Rightarrow (\forall X1.(v1_card_1 X1) \Rightarrow ((X0 \in X1) \Leftrightarrow (r1_ordinal1 (k2_card_1 X0) X1))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_card_1 X0) \Rightarrow (\forall X1.(v1_card_1 X1) \Rightarrow ((X0 \in X1) \Leftrightarrow (\neg r1_ordinal1 X1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.v1_card_1 (k2_card_1 X0) \quad (3)$$

Theorem 1

$$\forall X0.(v1_card_1 X0) \Rightarrow (\forall X1.(v1_card_1 X1) \Rightarrow ((X0 \in k2_card_1 X1) \Leftrightarrow (r1_ordinal1 X0 X1)))$$