

t41_card_1

(TMdL89WzoXVvNMwEqWWEztK6dirvPsLPchb)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_card_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. r2_wellord2 X0 X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_card_1 X1) \Rightarrow ((X1 = k1_card_1 X0) \Leftrightarrow (r2_wellord2 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (v1_card_1 X0) \quad (3)$$

Theorem 1

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (v7_ordinal1 X1) \Rightarrow ((r1_ordinal1 (k1_card_1 X0) (k1_card_1 X1)) \Leftrightarrow (r1_ordinal1 X0 X1)))$$