

t37_card_5 (TM-
SRh3U12Qy3X8ENGKNWV6uMTzTrRXouUCj)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_wellord2 : \iota \Rightarrow \iota$ be given. Let $k1_wellord2 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v1_finset_1 X1) \Rightarrow ((r1_tarski X1 X0) \Rightarrow (k2_wellord2 (k1_wellord2 X1) = k5_card_1 X1))) \quad (1)$$

Assume the following.

$$\forall X0.k1_card_1 (k1_tarski X0) = np_1 \quad (2)$$

Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (k5_card_1 X0 = k1_card_1 X0) \quad (3)$$

Assume the following.

$$\forall X0.v1_finset_1 (k1_tarski X0) \quad (4)$$

Theorem 1

$$\forall X0.\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_tarski (k1_tarski X0) X1) \Rightarrow (k2_wellord2 (k1_wellord2 (k1_tarski X0)) = np_1))$$