

t89_card_3 (TM-
NVg2zPYgsHASzXSWDh39ABYDDiP5Jjx4n)

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Let $v1_card_1 : \iota \Rightarrow o$ be given. Let $k2_card_1 : \iota \Rightarrow \iota$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (k1_card_1 X0 = k1_card_1 X1) \Leftrightarrow (k2_card_1 X0 = k2_card_1 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r2_wellord2 X0 X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (v1_card_1 X1) \Rightarrow ((X1 = k1_card_1 X0) \Leftrightarrow (r2_wellord2 X0 X1)) \quad (3)$$

Theorem 1

$$\forall X0. (v1_card_1 X0) \Rightarrow (\forall X1. (v1_card_1 X1) \Rightarrow ((k2_card_1 X0 = k2_card_1 X1) \Rightarrow (X1 = X0)))$$