

t17_card_1
(TML93hULiWy8UCxgUU1fVsvYccjCX427pXk)

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

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Leftrightarrow (k1_card_1 X0 = k1_card_1 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (k1_card_1 X0 = k1_card_1 X1) \Rightarrow (k2_card_1 X0 = k2_card_1 X1) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Rightarrow (k2_card_1 X0 = k2_card_1 X1)$$