

t7_card_2

(TMPk5psU2JX5wx2mSKyJNJjSMmXf6HEN6YZ)

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Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ 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.

$$\forall X0. \forall X1. (r2_wellord2 (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 X1 X0)) \wedge (k1_card_1 (k2_zfmisc_1 X0 X1) = k1_card_1 (k2_zfmisc_1 X1 X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. r2_wellord2 (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 (k1_card_1 X0) X1) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. (r2_wellord2 (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 (k1_card_1 X0) X1)) \wedge ((r2_wellord2 (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 X0 (k1_card_1 X1))) \wedge ((r2_wellord2 (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 (k1_card_1 X0) (k1_card_1 X1))) \wedge ((k1_card_1 (k2_zfmisc_1 X0 X1) = k1_card_1 (k2_zfmisc_1 (k1_card_1 X0) X1)) \wedge ((k1_card_1 (k2_zfmisc_1 X0 X1) = k1_card_1 (k2_zfmisc_1 X0 (k1_card_1 X1))) \wedge (k1_card_1 (k2_zfmisc_1 X0 X1) = k1_card_1 (k2_zfmisc_1 (k1_card_1 X0) (k1_card_1 X1))))))))$$