

t12_zfrefle1
(TMGLU2nLXcifAmKTwkDaeqGszC7nbfC82DR)

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Let $r2_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r2_wellord2 : \iota \Rightarrow \iota \Rightarrow o$ 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.

$$\forall X0. (r2_wellord2 (k1_zfmisc_1 X0) (k1_zfmisc_1 (k1_card_1 X0))) \wedge (k1_card_1 (k1_zfmisc_1 X0) = k1_card_1 (k1_zfmisc_1 (k1_card_1 X0))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r2_wellord2 X0 X1) \Leftrightarrow (r2_tarski X0 X1) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. ((r2_tarski X0 X1) \vee (k1_card_1 X0 = k1_card_1 X1)) \Rightarrow ((r2_tarski (k1_zfmisc_1 X0) (k1_zfmisc_1 X1)) \wedge (k1_card_1 (k1_zfmisc_1 X0) = k1_card_1 (k1_zfmisc_1 X1)))$$