

t86_orders_1

(TMbs5T6ezGgAFMxrL9MC41MSsHgtQxK1XXR)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. ((r1_tarski X0 X1) \wedge (v1_finset_1 X1)) \Rightarrow (v1_finset_1 X0) \quad (1)$$

Assume the following.

$$\forall X0. (v1_relat_1 X0) \Rightarrow (r1_tarski X0 (k2_zfmisc_1 (k1_relat_1 X0) (k1_relat_1 X0))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_finset_1 X0) \wedge (v1_finset_1 X1)) \Rightarrow (v1_finset_1 (k2_zfmisc_1 X0 X1)) \quad (3)$$

Theorem 1

$$\forall X0. (v1_relat_1 X0) \Rightarrow ((v1_finset_1 (k1_relat_1 X0)) \Rightarrow (v1_finset_1 X0))$$