

l33_orders_1 (TMZTcztPbg- GFGzhv2rC4wbmimeGjPiLkEWF)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4_tarski X0 X1 \in k2_zfmisc_1 X2 X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow ((k4_tarski X0 X1 \in X2) \Rightarrow ((X0 \in k1_relat_1 X2) \wedge (X1 \in k1_relat_1 X2))) \quad (2)$$

Assume the following.

$$\forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. \forall X3. (k4_tarski X2 X3 \in X0) \Rightarrow (k4_tarski X2 X3 \in X1))) \quad (3)$$

Theorem 1

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