

t2_relset_1

(TMK2R9UaQLasYSHY6cWzpwoxmYYhxGtajUZ)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \neg (r1_tarski X0 (k2_zfmisc_1 X1 X2)) \wedge ((X3 \in X0) \wedge (\forall X4. \forall X5. \neg (X4 \in X1) \wedge ((X5 \in X2) \wedge (X3 = k4_tarski X4 X5)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X1 X2))) \Rightarrow (\neg (X0 \in X3) \wedge (\forall X4. \forall X5. \neg (X0 = k4_tarski X4 X5) \wedge ((X4 \in X1) \wedge (X5 \in X2))))$$