

t1_funct_4

(TMSkgTLrjWvkbH4XKzJ45LW4jzp95g5a5pM)

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Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_relat_1 X0) \Rightarrow (r1_tarski X0 (k2_zfmisc_1 (k9_xtuple_0 X0) (k10_xtuple_0 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_relat_1 X0) \Leftrightarrow (\forall X1.\neg(X1 \in X0) \wedge (\forall X2.\forall X3.X1 \neq k4_tarski X2 X3)) \quad (2)$$

Theorem 1

$$\forall X0.\neg(\forall X1.\neg(X1 \in X0) \wedge (\forall X2.\forall X3.X1 \neq k4_tarski X2 X3)) \wedge (\forall X1.\forall X2.\neg r1_tarski X0 (k2_zfmisc_1 X1 X2))$$