

t4_toler_1 (TMbMVDuN- piBf9nUsbmZWkgdzvyqRwsMkdZ9)

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Let $v7_relat_2 : \iota \Rightarrow o$ be given. Let $k1_eqrel_1 : \iota \Rightarrow \iota$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r7_relat_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((X1 \in k1_relat_1 (k1_eqrel_1 X0)) \wedge (X2 \in k1_relat_1 (k1_eqrel_1 X0))) \Rightarrow (k4_tarski X1 X2 \in k1_eqrel_1 X0) \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. v1_relat_1 (k2_zfmisc_1 X0 X1) \tag{2}$$

Assume the following.

$$\forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. (r7_relat_2 X0 X1) \Leftrightarrow (\forall X2. \forall X3. \neg (X2 \in X1) \wedge ((X3 \in X1) \wedge ((\neg k4_tarski X2 X3 \in X0) \wedge (\neg k4_tarski X3 X2 \in X0))))) \tag{3}$$

Assume the following.

$$\forall X0. k1_eqrel_1 X0 = k2_zfmisc_1 X0 X0 \tag{4}$$

Assume the following.

$$\forall X0. (v1_relat_1 X0) \Rightarrow ((v7_relat_2 X0) \Leftrightarrow (r7_relat_2 X0 (k1_relat_1 X0))) \tag{5}$$

Theorem 1 $\forall X0. v7_relat_2 (k1_eqrel_1 X0).$