t3_toler_1 (TMFjdDrDVh-pibb84TFWYPcaWkaKGDnCjcAX)

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Let $k1\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_eqrel\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3\_relat\_2 : \iota \Rightarrow o$ be given. Let $v8\_relat\_2 : \iota \Rightarrow o$ be given. Let $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. 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. Assume the following.

$$\forall X0.(v3\_relat\_2\ (k1\_eqrel\_1\ X0)) \wedge ((v8\_relat\_2\ (k1\_eqrel\_1\ X0)) \wedge ((v1\_partfun1\ (k1\_eqrel\_1\ X0)\ X0) \wedge (m1\_subset\_1\ (k1\_eqrel\_1\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0))))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_partfun1\ X1\ X0) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)))) \Rightarrow (k1\_relat\_1\ X1 = X0) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(k4\_tarski\ X0\ X1 \in k2\_zfmisc\_1\ X2\ X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \tag{3}$$

Assume the following.

$$\forall X0.k1\_eqrel\_1\ X0 = k2\_zfmisc\_1\ X0\ X0 \tag{4}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.((X1 \in k1\_relat\_1\ (k1\_eqrel\_1\ X0)) \wedge (X2 \in k1\_relat\_1\ (k1\_eqrel\_1\ X0))) \Rightarrow (k4\_tarski\ X1\ X2 \in k1\_eqrel\_1\ X0)$$