t26_eqrel_1 (TMX-osWKnA4GS4DcLUKhgbww5D2Po59kdrnK)

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Let $k6\_eqrel\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_eqrel\_1 : \iota \Rightarrow \iota$ be given. Let $k9\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(X0 \in X1) \Rightarrow (k9\_relat\_1\ (k2\_zfmisc\_1\ X1\ X2)\ X0 = X2) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \Rightarrow (k6\_eqrel\_1\ X0\ X1\ X2\ X3 = k9\_relat\_1\ X2\ X3) \tag{2}$$

Assume the following.

$$\forall X0.m1\_subset\_1\ (k1\_eqrel\_1\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)) \tag{3}$$

Assume the following.

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

Theorem 1

$$\forall X0.\forall X1.(X1 \in X0) \Rightarrow (k6\_eqrel\_1\ X0\ X0\ (k1\_eqrel\_1\ X0)\ X1 = X0)$$