t3_eqrel_1 (TMV1YnBcohUfbGS79LvZSxy5aTuBz2H9CGp)

October 27, 2020

Let $v3\_relat\_2 : \iota \Rightarrow o$ be given. Let $k6\_partfun1 : \iota \Rightarrow \iota$ 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. Let $k4\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v4\_relat\_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.k6\_partfun1\ X0 = k4\_relat\_1\ X0 \tag{1}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ (k4\_relat\_1\ X0)) \wedge ((v3\_relat\_2\ (k4\_relat\_1\ X0)) \wedge ((v4\_relat\_2\ (k4\_relat\_1\ X0)) \wedge (v8\_relat\_2\ (k4\_relat\_1\ X0)))) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_partfun1\ (k6\_partfun1\ X0)\ X0) \wedge (m1\_subset\_1\ (k6\_partfun1\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0))) \tag{3}$$

Theorem 1

$$\forall X0.(v3\_relat\_2\ (k6\_partfun1\ X0)) \wedge ((v8\_relat\_2\ (k6\_partfun1\ X0)) \wedge ((v1\_partfun1\ (k6\_partfun1\ X0)\ X0) \wedge (m1\_subset\_1\ (k6\_partfun1\ X0)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X0)))))$$