

t22_zfmisc_1 (TM- cgS5uUoLg1DCUFgCtJRBvgCBXAFxRWxDp)

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Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarSKI : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k2_tarSKI\ X0\ X1 = k2_xboole_0\ (k1_tarSKI\ X0)\ (k1_tarSKI\ X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \neg(r1_tarSKI\ (k1_tarSKI\ X0)\ (k2_tarSKI\ X1\ X2)) \wedge ((X0 \neq X1) \wedge (X0 \neq X2)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarSKI\ (k2_xboole_0\ X0\ X1)\ X2) \Rightarrow (r1_tarSKI\ X0\ X2) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \neg(r1_tarSKI\ (k2_tarSKI\ X0\ X1)\ (k2_tarSKI\ X2\ X3)) \wedge ((X0 \neq X2) \wedge (X0 \neq X3))$$