

l3_zfmisc_1

(TMaDfs1y7HzfdhNaWt74PC2jcWJUaHGZc)

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Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarSKI : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k4_xboole_0 X0 X1 = k1_xboole_0) \Leftrightarrow (r1_tarSKI X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. r1_tarSKI k1_xboole_0 X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarSKI X0 X0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarSKI X0 X1) \Rightarrow ((X2 \in X0) \vee (r1_tarSKI X0 (k4_xboole_0 X1 (k1_tarSKI X2)))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarSKI (k1_tarSKI X0) X1) \Leftrightarrow (X0 \in X1) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarSKI X0 X1) \wedge (r1_tarSKI X1 X0)) \quad (6)$$

Theorem 1

$$\forall X0. \forall X1. (r1_tarSKI X0 (k1_tarSKI X1)) \Leftrightarrow ((X0 = k1_xboole_0) \vee (X0 = k1_tarSKI X1))$$