

t47_zfmisc_1
(TMJG959NUdyYTTnk1B9z35ynsRanwgR2Pin)

October 27, 2020

Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarSKI (k2_tarSKI X0 X1) X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarSKI X0 X1) \Rightarrow (k3_xboole_0 X0 X1 = X0) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. ((X0 \in X1) \wedge (X2 \in X1)) \Rightarrow (k3_xboole_0 (k2_tarSKI X0 X2) X1 = k2_tarSKI X0 X2)$$