

t32_zfmisc_1
(TMXf9hqgUX3eBWDgWoMm7vHdNZsw6B9xKt6)

October 27, 2020

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

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

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_tarSKI\ X0\ X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (2)$$

Theorem 1

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