

t12_zfmisc_1 (TMacWMfUkMAD-
vuWp35FJ1veVx4iNUGR5oTg)

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Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarSKI : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k3_xboole_0 X0 (k1_tarSKI X1) = k1_tarSKI X1) \Rightarrow (X1 \in X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarSKI X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k3_xboole_0 X0 X1 = k3_xboole_0 X1 X0 \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. (k3_xboole_0 (k1_tarSKI X0) (k1_tarSKI X1) = k1_tarSKI X0) \Rightarrow (X0 = X1)$$