

t57_zfmisc_1 (TM-
NgYEE5qcy5WrwVHE3ew7B6PpgwFpHU35r)

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Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Leftrightarrow (k4_xboole_0 X0 X1 = X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Rightarrow (r1_xboole_0 X1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (\neg X0 \in X1) \Rightarrow (r1_xboole_0 (k1_tarski X0) X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \neg (r1_xboole_0 (k1_tarski X0) X1) \wedge (X0 \in X1) \quad (4)$$

Theorem 1 $\forall X0. \forall X1. (k4_xboole_0 X0 (k1_tarski X1) = X0) \Leftrightarrow (\neg X1 \in X0).$