

t138_zfmisc_1

(TMP7zZA8u6Wg6xyve28kH35WEbWFFFNX9f6)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski (k2_xboole_0 X2 (k1_tarski X0)) X1) \Leftrightarrow ((X0 \in X1) \wedge (r1_tarski X2 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \neg (r1_tarski X2 (k2_xboole_0 X0 (k1_tarski X1))) \wedge ((\neg X1 \in X2) \wedge (\neg r1_tarski X2 X0)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \neg (r1_tarski X0 X1) \wedge ((r1_tarski X1 (k2_xboole_0 X0 (k1_tarski X2))) \wedge ((k2_xboole_0 X0 (k1_tarski X2)) \neq X1) \wedge (X0 \neq X1)))$$