

t66_zfmisc_1 (TM-
Fqq3sCR4TBYFRh7bHsaAopeHkzHptnw6x)

October 27, 2020

Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (k4_xboole_0 X0 X1 = k1_xboole_0) \Leftrightarrow (r1_tarski X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski X0 (k2_tarski X1 X2)) \Leftrightarrow (\neg(X0 \neq k1_xboole_0) \wedge ((X0 \neq k1_tarski X1) \wedge ((X0 \neq k1_tarski X2) \wedge (X0 \neq k2_tarski X1 X2)))) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (k4_xboole_0 X0 (k2_tarski X1 X2) = k1_xboole_0) \Leftrightarrow (\neg(X0 \neq k1_xboole_0) \wedge ((X0 \neq k1_tarski X1) \wedge ((X0 \neq k1_tarski X2) \wedge (X0 \neq k2_tarski X1 X2))))$$