

t2_kurato_0
(TMVvu3cY5c6dSBAov2NZcSRvVWq1t7F5rmh)

October 27, 2020

Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4_tarski X0 X1 \in k2_zfmisc_1 X2 X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (\neg(\neg r1_xboole_0 X0 X1) \wedge (\forall X2. \neg(X2 \in X0) \wedge (X2 \in X1))) \wedge (\neg(\exists X2. (X2 \in X0) \wedge (X2 \in X1)) \wedge (r1_xboole_0 X0 X1)) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \neg(\neg r1_xboole_0 X0 X1) \wedge ((\neg r1_xboole_0 X2 X3) \wedge (r1_xboole_0 (k2_zfmisc_1 X0 X2) (k2_zfmisc_1 X1 X3)))$$