

l111_zfmisc_1

(TMWkeYwkkdyj6r65EriopFjX8fPTA5Sri8j)

October 27, 2020

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

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Leftrightarrow (X2 \in X1)) \Rightarrow (X0 = X1) \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. ((\forall X2. \neg (X2 \in X0) \wedge (\forall X3. \forall X4. \\ & X2 \neq k4_tarski X3 X4)) \wedge ((\forall X2. \neg (X2 \in X1) \wedge (\forall X3. \forall X4. \\ & X2 \neq k4_tarski X3 X4)) \wedge (\forall X2. \forall X3. (k4_tarski X2 X3 \in \\ & X0) \Leftrightarrow (k4_tarski X2 X3 \in X1)))) \Rightarrow (X0 = X1) \end{aligned}$$