

t89_zfmisc_1 (TMVS-
coD6yTjRrpnGW3d9LmzDrAT92cCTXQD)

October 27, 2020

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

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

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_zfmisc_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (\exists X4. \exists X5. (X4 \in X0) \wedge ((X5 \in X1) \wedge (X3 = k4_tarski X4 X5)))) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. (\forall X4. \forall X5. (k4_tarski X4 X5 \in k2_zfmisc_1 X0 X1) \Leftrightarrow (k4_tarski X4 X5 \in k2_zfmisc_1 X2 X3)) \Rightarrow (k2_zfmisc_1 X0 X1 = k2_zfmisc_1 X2 X3)$$