

t85_zfmisc_1
(TMU1KGjMCXSwJSnA7GaCg9YMqAVWjr9G686)

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Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ 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.

$$\forall X0. \forall X1. \forall X2. (X2 = k3_xboole_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \wedge (X3 \in X1))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_zfmisc_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (\exists X4. \exists X5. (X4 \in X0) \wedge ((X5 \in X1) \wedge (X3 = k4_tarski X4 X5)))) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \neg (X0 \in k3_xboole_0 (k2_zfmisc_1 X1 X2) (k2_zfmisc_1 X3 X4)) \wedge (\forall X5. \forall X6. \neg (X0 = k4_tarski X5 X6) \wedge ((X5 \in k3_xboole_0 X1 X3) \wedge (X6 \in k3_xboole_0 X2 X4)))$$