

t94_zfmisc_1

(TMQr4skEPP8bkAVZAYRtUBRNxZdtpGQbSeh)

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Let $k1_xboole_0 : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ 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.

$$\forall X0. \neg(X0 \neq k1_xboole_0) \wedge (\forall X1. \neg X1 \in X0) \quad (1)$$

Assume the following.

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

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \neg(X0 \neq k1_xboole_0) \wedge (((r1_tarski (k2_zfmisc_1 X1 X0) (k2_zfmisc_1 X2 X0)) \vee (r1_tarski (k2_zfmisc_1 X0 X1) (k2_zfmisc_1 X0 X2))) \wedge (\neg r1_tarski X1 X2))$$