

t122_zfmisc_1
(TMN4cS2hPYEvSRvapry4oCV59ese1gLnnQf)

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Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (k2_zfmisc_1 (k1_tarski X0) \\ & (k2_tarski X1 X2) = k2_tarski (k4_tarski X0 X1) (k4_tarski X0 X2)) \wedge \\ & (k2_zfmisc_1 (k2_tarski X0 X1) (k1_tarski X2) = k2_tarski (k4_tarski \\ & X0 X2) (k4_tarski X1 X2)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (k2_zfmisc_1 (k2_tarski X0 X1) \\ & X2 = k2_xboole_0 (k2_zfmisc_1 (k1_tarski X0) X2) (k2_zfmisc_1 (\\ & k1_tarski X1) X2)) \wedge (k2_zfmisc_1 X2 (k2_tarski X0 X1) = k2_xboole_0 \\ & (k2_zfmisc_1 X2 (k1_tarski X0)) (k2_zfmisc_1 X2 (k1_tarski X1))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 \\ & X2 X3 = k2_xboole_0 (k2_tarski X0 X1) (k2_tarski X2 X3) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. k2_zfmisc_1 (k2_tarski \\ & X0 X1) (k2_tarski X2 X3) = k2_enumset1 (k4_tarski X0 X2) (k4_tarski \\ & X0 X3) (k4_tarski X1 X2) (k4_tarski X1 X3) \end{aligned}$$