

t13_abcmiz_1 (TM-
RQjGU6bbouazMiqdPswH3qLaHYVw7qm5T)

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Let $k1_abcmiz_1 : \iota \Rightarrow \iota$ be given. Let $k3_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Rightarrow (r1_tarski (k1_abcmiz_1 X0) (k1_abcmiz_1 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Rightarrow (k3_xboole_0 X0 X1 = X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarski (k3_xboole_0 X0 X1) X0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k3_xboole_0 (k3_xboole_0 X0 X1) X2 = k3_xboole_0 X0 (k3_xboole_0 X1 X2) \quad (4)$$

Assume the following.

$$\forall X0. k1_abcmiz_1 (k1_abcmiz_1 X0) = k1_abcmiz_1 X0 \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. k3_xboole_0 X0 X0 = X0 \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (X1 = k1_abcmiz_1 X0) \Leftrightarrow & ((r1_tarski X0 X1) \wedge \\ & ((\forall X2. \forall X3. (k4_tarski X2 X3 \in X1) \Rightarrow (r1_tarski X2 X1)) \wedge \\ & (\forall X2. ((r1_tarski X0 X2) \wedge (\forall X3. \forall X4. (k4_tarski \\ & X3 X4 \in X2) \Rightarrow (r1_tarski X3 X2)))) \Rightarrow (r1_tarski X1 X2)))) \end{aligned} \quad (7)$$

Assume the following.

$$\forall X0. \forall X1. k3_xboole_0 X0 X1 = k3_xboole_0 X1 X0 \quad (8)$$

Theorem 1

$$\forall X0.\forall X1.k1_abc Miz_1 (k3_xboole_0 (k1_abc Miz_1 X0) (k1_abc Miz_1 X1)) = k3_xboole_0 (k1_abc Miz_1 X0) (k1_abc Miz_1 X1)$$