

t28_abcmiz_a
(TMNoyr899e5g8GkJTzzachjRoE2oSeTDEQX)

October 27, 2020

Let $k20_abcmiz_1 : \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_abcmiz_1 : \iota$ be given. Let $k7_abcmiz_1 : \iota$ be given. Let $k8_abcmiz_1 : \iota$ be given. Let $k4_abcmiz_1 : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $np_1 : \iota$ be given. Let $k17_abcmiz_1 : \iota$ be given. Let $k18_abcmiz_1 : \iota$ be given. Let $k19_abcmiz_1 : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (k2_zfmisc_1 (k2_xboole_0 X0 \\ & X1) X2 = k2_xboole_0 (k2_zfmisc_1 X0 X2) (k2_zfmisc_1 X1 X2)) \wedge (k2_zfmisc_1 \\ & X2 (k2_xboole_0 X0 X1) = k2_xboole_0 (k2_zfmisc_1 X2 X0) (k2_zfmisc_1 \\ & X2 X1)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. k1_enumset1 X0 X1 X2 = k2_xboole_0 \\ & (k2_tarski X0 X1) (k1_tarski X2) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. k2_tarski X0 X1 = k2_xboole_0 (k1_tarski \\ & X0) (k1_tarski X1) \end{aligned} \tag{3}$$

Assume the following.

$$k8_abcmiz_1 = np_2 \tag{4}$$

Assume the following.

$$k7_abcmiz_1 = np_1 \tag{5}$$

Assume the following.

$$\begin{aligned} & k20_abcmiz_1 = k2_xboole_0 (k2_xboole_0 k17_abcmiz_1 k18_abcmiz_1) \\ & k19_abcmiz_1 \end{aligned} \tag{6}$$

Assume the following.

$$\begin{aligned} & k19_abcmiz_1 = k2_zfmisc_1 (k1_tarski k8_abcmiz_1) (k2_zfmisc_1 \\ & k4_abcmiz_1 k5_numbers) \end{aligned} \tag{7}$$

Assume the following.

$$k18_abcmiz_1 = k2_zfmisc_1 (k1_tarSKI k7_abcmiz_1) (k2_zfmisc_1 k4_abcmiz_1 k5_numbers) \quad (8)$$

Assume the following.

$$k17_abcmiz_1 = k2_zfmisc_1 (k1_tarSKI k6_abcmiz_1) (k2_zfmisc_1 k4_abcmiz_1 k5_numbers) \quad (9)$$

Theorem 1

$$k20_abcmiz_1 = k2_zfmisc_1 (k1_enumset1 k6_abcmiz_1 k7_abcmiz_1 k8_abcmiz_1) (k2_zfmisc_1 k4_abcmiz_1 k5_numbers)$$