

t61_mcart_1
(TMQnXxqe9HD58JQfiM9WqiVzSNriNCJMiBA)

October 27, 2020

Let $k4_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k3_zfmisc_1 (k2_zfmisc_1 X0 X1) X2 X3 = k4_zfmisc_1 X0 X1 X2 X3 \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k3_zfmisc_1 (k1_tarski X0) (k1_tarski X1) (k1_tarski X2) = k1_tarski (k3_xtuple_0 X0 X1 X2) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.k2_zfmisc_1 (k1_tarski X0) (k1_tarski X1) = k1_tarski (k4_tarski X0 X1) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k6_xtuple_0 X0 X1 X2 X3 = k4_tarski (k3_xtuple_0 X0 X1 X2) X3 \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k3_xtuple_0 X0 X1 X2 = k4_tarski (k4_tarski X0 X1) X2 \quad (5)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.k4_zfmisc_1 (k1_tarski X0) (k1_tarski X1) (k1_tarski X2) (k1_tarski X3) = k1_tarski (k6_xtuple_0 X0 X1 X2 X3)$$