

t57_card_1

(TMVoUm97QPt54Mk4vf9YQUsshxu2g8VREGq)

October 27, 2020

Let $np_9 : \iota$ be given. Let $k7_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $np_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $np_3 : \iota$ be given. Let $np_4 : \iota$ be given. Let $np_5 : \iota$ be given. Let $np_6 : \iota$ be given. Let $np_7 : \iota$ be given. Let $np_8 : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & \forall X6. \forall X7. \forall X8. k7_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6 \\ & X7\ X8 = k2_xboole_0\ (k6_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6\ X7)\ (k1_tarski \\ & \quad X8) \end{aligned} \tag{1}$$

Assume the following.

$$np_8 = k6_enumset1\ k1_xboole_0\ np_1\ np_2\ np_3\ np_4\ np_5\ np_6\ np_7 \tag{2}$$

Assume the following.

$$k1_ordinal1\ np_8 = np_9 \tag{3}$$

Assume the following.

$$\forall X0. k1_ordinal1\ X0 = k2_xboole_0\ X0\ (k1_tarski\ X0) \tag{4}$$

Assume the following.

$$\forall X0. \forall X1. k2_xboole_0\ X0\ X1 = k2_xboole_0\ X1\ X0 \tag{5}$$

Theorem 1

$$np_9 = k7_enumset1\ k1_xboole_0\ np_1\ np_2\ np_3\ np_4\ np_5\ np_6\ np_7\ np_8$$