

t14_enumset1 (TMGgNPSCwP- tixqcq3KYuWZHyfY7hmTunGub)

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Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k2_enumset1\ X0\ X1\ X2\ X3 = k2_xboole_0\ (k1_enumset1\ X0\ X1\ X2)\ (k1_tarski\ X3) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k2_xboole_0\ (k2_xboole_0\ X0\ X1)\ X2 = k2_xboole_0\ X0\ (k2_xboole_0\ X1\ X2) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k1_enumset1\ X0\ X1\ X2 = k2_xboole_0\ (k1_tarski\ X0)\ (k2_tarski\ X1\ X2) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.k4_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 = k2_xboole_0\ (k1_enumset1\ X0\ X1\ X2)\ (k1_enumset1\ X3\ X4\ X5) \quad (4)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.k4_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 = k2_xboole_0\ (k2_enumset1\ X0\ X1\ X2\ X3)\ (k2_tarski\ X4\ X5)$$