

t15_enumset1 (TMTcmLynuvUbH- Fxmtt2Pn6G6kzG1yyiUqGn)

October 27, 2020

Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. k2_xboole_0 (k2_xboole_0 X0 X1) X2 = k2_xboole_0 X0 (k2_xboole_0 X1 X2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k1_enumset1 X0 X1 X2 = k2_xboole_0 (k2_tarski X0 X1) (k1_tarski X2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. k4_enumset1 X0 X1 X2 X3 X4 X5 = k2_xboole_0 (k1_enumset1 X0 X1 X2) (k1_enumset1 X3 X4 X5) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. k3_enumset1 X0 X1 X2 X3 X4 = k2_xboole_0 (k1_enumset1 X0 X1 X2) (k2_tarski X3 X4) \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. k4_enumset1 X0 X1 X2 X3 X4 X5 = k2_xboole_0 (k3_enumset1 X0 X1 X2 X3 X4) (k1_tarski X5)$$