

t33_enumset1
(TMPJtjqgAD1wmbWa7SSPk2iqamYk9r5PxEz)

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Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. k3_enumset1 X0 X0 \\ X1 X2 X3 = k2_enumset1 X0 X1 X2 X3 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ k4_enumset1 X0 X1 X2 X3 X4 X5 = k2_xboole_0 (k3_enumset1 X0 X1 X2 X3 \\ X4) (k1_tarski X5) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. k3_enumset1 \\ X0 X1 X2 X3 X4 = k2_xboole_0 (k2_enumset1 X0 X1 X2 X3) (k1_tarski X4) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. k4_enumset1 \\ X0 X0 X1 X2 X3 X4 = k3_enumset1 X0 X1 X2 X3 X4 \end{aligned}$$