

t27_enumset1
(TMGQzeerL4TMtW5faBT2sUUpCinGYp8ay6v)

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Let $k6_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. k2_xboole_0 (k2_xboole_0 X0 \\ & X1) X2 = k2_xboole_0 X0 (k2_xboole_0 X1 X2) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & k4_enumset1 X0 X1 X2 X3 X4 X5 = k2_xboole_0 (k2_enumset1 X0 X1 X2 X3) \\ & (k2_tarski X4 X5) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & \forall X6. \forall X7. k6_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 = k2_xboole_0 \\ & (k2_enumset1 X0 X1 X2 X3) (k2_enumset1 X4 X5 X6 X7) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 \\ & X2 X3 = k2_xboole_0 (k2_tarski X0 X1) (k2_tarski X2 X3) \end{aligned} \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. k2_tarski X0 X1 = k2_tarski X1 X0 \quad (5)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & \forall X6. \forall X7. k6_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 = k2_xboole_0 \\ & (k4_enumset1 X0 X1 X2 X3 X4 X5) (k2_tarski X6 X7) \end{aligned}$$