

t77_enumset1

(TMX99tcrJJ6b9notVzFySkNrVxiACoLzPGp)

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Let $k7_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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.

$$\forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 X2 X3 = k2_xboole_0 (k1_tarski X0) (k1_enumset1 X1 X2 X3) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \forall X6. \forall X7. k6_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 = k2_xboole_0 (k1_enumset1 X0 X1 X2) (k3_enumset1 X3 X4 X5 X6 X7) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \forall X6. \forall X7. \forall X8. k7_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 X8 = k2_xboole_0 (k2_enumset1 X0 X1 X2 X3) (k3_enumset1 X4 X5 X6 X7 X8) \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \forall X6. \forall X7. \forall X8. k7_enumset1 X0 X1 X2 X3 X4 X5 X6 X7 X8 = k2_xboole_0 (k1_tarski X0) (k6_enumset1 X1 X2 X3 X4 X5 X6 X7 X8)$$