t34_enumset1 (TMH7H6eCFLAy82BMYbaczWj7RF48K57zuiA)

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Let $k5\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.k2\_tarski\ X0\ X0 = k1\_tarski\ X0 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ \forall X6.k5\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5\ X6 = k2\_xboole\_0\ (k2\_tarski\ X0\ X1)\ (k3\_enumset1\ X2\ X3\ X4\ X5\ X6) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ k4\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 = k2\_xboole\_0\ (k1\_tarski\ X0)\ (k3\_enumset1\ X1\ X2\ X3\ X4\ X5) \tag{3}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ k5\_enumset1\ X0\ X0\ X1\ X2\ X3\ X4\ X5 = k4\_enumset1\ X0\ X1\ X2\ X3\ X4\ X5$$