

t49\_enumset1  
 (TMFfTM11gixSLcB1bMBduSZud8dsY1thLmM)

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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  $k1\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k5\_enumset1\ X0\ X0\ X0\ X0\ X1\ X2\ X3 = k2\_enumset1\ X0\ X1\ X2\ X3 \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k2\_enumset1\ X0\ X0\ X1\ X2 = k1\_enumset1\ X0\ X1\ X2 \quad (2)$$

**Theorem 1**

$$\forall X0.\forall X1.\forall X2.k5\_enumset1\ X0\ X0\ X0\ X0\ X0\ X0\ X1\ X2 = k1\_enumset1\ X0\ X1\ X2$$