

t50\_enumset1  
(TMRkbinMuTUwXu41bQoSziNpGkE6jNCif4c)

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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  $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. k6\_enumset1 \quad (1)$$
$$X0 \ X0 \ X0 \ X0 \ X1 \ X2 \ X3 \ X4 = k3\_enumset1 \ X0 \ X1 \ X2 \ X3 \ X4$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. k3\_enumset1 \ X0 \ X0 \quad (2)$$
$$X1 \ X2 \ X3 = k2\_enumset1 \ X0 \ X1 \ X2 \ X3$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. \forall X3. k6\_enumset1 \ X0 \ X0$$
$$X0 \ X0 \ X0 \ X1 \ X2 \ X3 = k2\_enumset1 \ X0 \ X1 \ X2 \ X3$$