

t63\_enumset1  
(TMMPd4A8NqfTLvHfAkjuYvesbsw5iRqFiJB)

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

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.(X4 = k2\_enumset1 \\ X0\ X1\ X2\ X3) \Leftrightarrow & (\forall X5.(X5 \in X4 \Leftrightarrow (\neg(X5 \neq X0) \wedge (X5 \neq X1) \wedge ((X5 \neq X2) \wedge \\ & (X5 \neq X3)))))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.k2\_enumset1\ X0\ X1 \\ & X2\ X3 = k2\_enumset1\ X0\ X2\ X3\ X1 \end{aligned}$$