

t69_enumset1
(TMPJjZJEB5LDqL131ZYbCo148PXZpSPo7JF)

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Let $k2_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 \\ X2 X3 = k2_enumset1 X0 X3 X2 X1 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 \\ X2 X3 = k2_enumset1 X1 X2 X0 X3 \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. \forall X2. \forall X3. k2_enumset1 X0 X1 \\ X2 X3 = k2_enumset1 X1 X3 X0 X2 \end{aligned}$$