

t41_enumset1
(TMbD7hK65C18fY2ptBRzHxzrKUdPk9rJyjV)

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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 $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ \forall X6. & k6_enumset1\ X0\ X0\ X1\ X2\ X3\ X4\ X5\ X6 = k5_enumset1\ X0\ X1\ X2 \\ & \quad X3\ X4\ X5\ X6 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ k5_enumset1\ X0\ X0\ X1\ X2\ X3\ X4\ X5 & = k4_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ k6_enumset1\ X0\ X0\ X0\ X1\ X2\ X3\ X4\ X5 & = k4_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 \end{aligned}$$