

t46_enumset1
(TMdQTp29iXh5Gdn4PgGWHQnzQNtHQ5docdh)

October 27, 2020

Let $k6_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5. \\ k6_enumset1\ X0\ X0\ X0\ X1\ X2\ X3\ X4\ X5 = k4_enumset1\ X0\ X1\ X2\ X3\ X4\ X5 \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.k4_enumset1 \\ X0\ X0\ X1\ X2\ X3\ X4 = k3_enumset1\ X0\ X1\ X2\ X3\ X4 \quad (2)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.k6_enumset1 \\ X0\ X0\ X0\ X0\ X1\ X2\ X3\ X4 = k3_enumset1\ X0\ X1\ X2\ X3\ X4$$