

t70_enumset1
(TMPSSLv9DK6AjQB3MvX4zmvVSDtzFmm6oJc)

October 27, 2020

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

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

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

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