

t61_enumset1 (TMHTczcDfY-
dQwJMSvyUW1Du67eJ1AmH4atn)

October 27, 2020

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

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.(X4 = k2_enumset1 \\ X0\ X1\ X2\ X3) \Leftrightarrow (\forall X5.(X5 \in X4) \Leftrightarrow (\neg(X5 \neq X0) \wedge (X5 \neq X1) \wedge ((X5 \neq X2) \wedge \\ & (X5 \neq X3)))) \end{aligned} \tag{1}$$

Theorem 1

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