t49_gfacirc1 (TMRTP-MypCULJkpUuV8e9UBeG8gxix1DoBX8)

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Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_twoscomp : \iota$ be given. Let $k2\_twoscomp : \iota$ be given. Let $k3\_gfacirc1 : \iota$ be given. Let $k2\_msafree2 : \iota \Rightarrow \iota$ be given. Let $k19\_gfacirc1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\neg(X0 \neq k4\_tarski\ (k10\_finseq\_1\ X1\ X2)\ k3\_twoscomp) \wedge ((X1 \neq k4\_tarski\ (k10\_finseq\_1\ X2\ X0)\ k2\_twoscomp) \wedge ((X2 \neq k4\_tarski\ (k10\_finseq\_1\ X0\ X1)\ k3\_gfacirc1) \wedge (k2\_msafree2\ (k19\_gfacirc1\ X0\ X1\ X2) \neq k1\_enumset1\ X0\ X1\ X2))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(X3 = k1\_enumset1\ X0\ X1\ X2) \Leftrightarrow (\forall X4.(X4 \in X3) \Leftrightarrow (\neg(X4 \neq X0) \wedge ((X4 \neq X1) \wedge (X4 \neq X2)))) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\neg(X0 \neq k4\_tarski\ (k10\_finseq\_1\ X1\ X2)\ k3\_twoscomp) \wedge ((X1 \neq k4\_tarski\ (k10\_finseq\_1\ X2\ X0)\ k2\_twoscomp) \wedge ((X2 \neq k4\_tarski\ (k10\_finseq\_1\ X0\ X1)\ k3\_gfacirc1) \wedge (\neg(X0 \in k2\_msafree2\ (k19\_gfacirc1\ X0\ X1\ X2)) \wedge ((X1 \in k2\_msafree2\ (k19\_gfacirc1\ X0\ X1\ X2)) \wedge (X2 \in k2\_msafree2\ (k19\_gfacirc1\ X0\ X1\ X2))))))$$