

t131_gfacirc1 (TMLFYnVmNKGzbeXXh- SzVU6VZqvtJGbCmtJv)

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Let $v1_xtuple_0 : \iota \Rightarrow o$ be given. Let $v1_facirc_1 : \iota \Rightarrow o$ be given. Let $k2_msafree2 : \iota \Rightarrow \iota$ be given. Let $k49_gfacirc1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(\neg v1_xtuple_0 X0) \Rightarrow (\forall X1.(\neg v1_xtuple_0 X1) \Rightarrow \\ & (\forall X2.(\neg v1_xtuple_0 X2) \Rightarrow (k2_msafree2 (k49_gfacirc1 X0 \\ & X1 X2) = k1_enumset1 X0 X1 X2))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((\neg v1_xtuple_0 X0) \wedge ((\neg v1_xtuple_0 X1) \wedge (\neg v1_xtuple_0 X2))) \Rightarrow (\neg v1_facirc_1 (k1_enumset1 X0 X1 X2)) \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0.(\neg v1_xtuple_0 X0) \Rightarrow (\forall X1.(\neg v1_xtuple_0 X1) \Rightarrow \\ & (\forall X2.(\neg v1_xtuple_0 X2) \Rightarrow (\neg v1_facirc_1 (k2_msafree2 (k49_gfacirc1 \\ & X0 X1 X2)))))) \end{aligned}$$