

t42_twoscomp
(TMMWXR7SNkQU5TkJ6G5MLfQ7mVQY6wFasHW)

October 27, 2020

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 $k40_twoscomp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(\neg v1_xtuple_0 X0) \Rightarrow (\forall X1.(\neg v1_xtuple_0 X1) \Rightarrow (k2_msafree2 (k40_twoscomp X0 X1) = k2_tarski X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1_xtuple_0 X0) \wedge (\neg v1_xtuple_0 X1)) \Rightarrow (\neg v1_facirc_1 (k2_tarski X0 X1)) \quad (2)$$

Theorem 1

$$\forall X0.(\neg v1_xtuple_0 X0) \Rightarrow (\forall X1.(\neg v1_xtuple_0 X1) \Rightarrow (\neg v1_facirc_1 (k2_msafree2 (k40_twoscomp X0 X1))))$$