

t30_twoscomp (TM-
NYpVyrJ5tc6WBbwM9BF1UvRcZDVeBEvg9)

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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 $k34_twoscomp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_circcomb : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15_twoscomp : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (\neg v1_xtuple_0 X1) \Rightarrow (\forall X2. (\neg v1_xtuple_0 X2) \Rightarrow (\neg v1_facirc_1 (k2_msafree2 (k5_circcomb X0 (k10_finseq_1 X1 X2)))))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k34_twoscomp X0 X1 = k5_circcomb k15_twoscomp (k10_finseq_1 X0 X1) \quad (2)$$

Theorem 1

$$\forall X0. (\neg v1_xtuple_0 X0) \Rightarrow (\forall X1. (\neg v1_xtuple_0 X1) \Rightarrow (\neg v1_facirc_1 (k2_msafree2 (k34_twoscomp X0 X1))))$$