

t28_twoscomp
(TMZeHsE19Gh7gsviGqf45NYTCbU6UaAh5Jr)

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Let $v1_xtuple_0 : \iota \Rightarrow o$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15_twoscomp : \iota$ be given. Let $k3_msafree2 : \iota \Rightarrow \iota$ be given. Let $k34_twoscomp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k5_circcomb : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow (\forall X1. k4_tarski X0 X1 \in k3_msafree2 (k5_circcomb X1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 (k10_finseq_1 X0 X1)) \wedge (v1_funct_1 (k10_finseq_1 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. v1_finseq_1 (k10_finseq_1 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. k34_twoscomp X0 X1 = k5_circcomb k15_twoscomp (k10_finseq_1 X0 X1) \quad (4)$$

Theorem 1

$$\forall X0. (\neg v1_xtuple_0 X0) \Rightarrow (\forall X1. (\neg v1_xtuple_0 X1) \Rightarrow (k4_tarski (k10_finseq_1 X0 X1) k15_twoscomp \in k3_msafree2 (k34_twoscomp X0 X1)))$$