

t12_ftacell1 (TMPYGMDAxWkLNHYqG- fAZtzADDZoy2uh2B6W)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k3_msafree2 : \iota \Rightarrow \iota$ be given. Let $k7_ftacell1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_circcomb : \iota \Rightarrow o$ be given. Let $v2_circcomb : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $v11_struct_0 : \iota \Rightarrow o$ be given. Let $v1_msualg_1 : \iota \Rightarrow o$ be given. Let $v3_circcomb : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v2_struct_0 X0) \wedge ((v1_circcomb X0) \wedge ((v2_circcomb X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (v1_relat_1 (k3_msafree2 X0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. (\neg v2_struct_0 (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge ((\neg v11_struct_0 (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge ((v1_msualg_1 (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge ((v1_circcomb (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge ((v2_circcomb (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge ((v3_circcomb (k7_ftacell1 X0 X1 X2 X3 X4)) \wedge (l1_msualg_1 (k7_ftacell1 X0 X1 X2 X3 X4)))))))) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. v1_relat_1 (k3_msafree2 (k7_ftacell1 X0 X1 X2 X3 X4))$$