

l39_modelc_1 (TM-
ccw9FUyFVWC7tY43X5kR4tDEpnciYCKAb)

October 27, 2020

Let $v1_modelc_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v5_modelc_1 : \iota \Rightarrow o$ be given. Let $v2_modelc_1 : \iota \Rightarrow o$ be given. Let $v4_modelc_1 : \iota \Rightarrow o$ be given. Let $v3_modelc_1 : \iota \Rightarrow o$ be given. Let $v6_modelc_1 : \iota \Rightarrow o$ be given. Let $v7_modelc_1 : \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_4 : \iota$ be given. Let $np_3 : \iota$ be given. Let $np_2 : \iota$ be given. Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v4_modelc_1 X0) \Rightarrow ((\neg v2_modelc_1 X0) \wedge ((\neg v3_modelc_1 X0) \wedge ((\neg v5_modelc_1 X0) \wedge ((\neg v6_modelc_1 X0) \wedge (\neg v7_modelc_1 X0)))))) \quad (1)$$

Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v3_modelc_1 X0) \Rightarrow ((\neg v2_modelc_1 X0) \wedge ((\neg v4_modelc_1 X0) \wedge ((\neg v5_modelc_1 X0) \wedge ((\neg v6_modelc_1 X0) \wedge (\neg v7_modelc_1 X0)))))) \quad (2)$$

Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v2_modelc_1 X0) \Rightarrow ((\neg v3_modelc_1 X0) \wedge ((\neg v4_modelc_1 X0) \wedge ((\neg v5_modelc_1 X0) \wedge ((\neg v6_modelc_1 X0) \wedge (\neg v7_modelc_1 X0)))))) \quad (3)$$

Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v7_modelc_1 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_4) \quad (4)$$

Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v6_modelc_1 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_3) \quad (5)$$

Assume the following.

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v5_modelc_1 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_2) \quad (6)$$

Theorem 1

$$\forall X0.((v1_modelc_1 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v5_modelc_1 X0) \Rightarrow ((\neg v2_modelc_1 X0) \wedge ((\neg v4_modelc_1 X0) \wedge ((\neg v3_modelc_1 X0) \wedge ((\neg v6_modelc_1 X0) \wedge (\neg v7_modelc_1 X0)))))$$