

l29_modelc_2

(TMUJb6bezSNZrrvMuLkkbNNSchPiZsC2AwW)

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Let $v1_modelc_2 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v2_modelc_2 : \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_2 : \iota$ be given. Let $np_3 : \iota$ be given. Let $np_4 : \iota$ be given. Let $np_5 : \iota$ be given. Let $v3_modelc_2 : \iota \Rightarrow o$ be given. Let $v4_modelc_2 : \iota \Rightarrow o$ be given. Let $v5_modelc_2 : \iota \Rightarrow o$ be given. Let $v6_modelc_2 : \iota \Rightarrow o$ be given. Let $v7_modelc_2 : \iota \Rightarrow o$ be given. Let $v8_modelc_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ \neg(\neg v2_modelc_2 X0) \wedge (\neg v3_modelc_2 X0) \wedge (\neg v4_modelc_2 X0) \wedge (\\ (\neg v5_modelc_2 X0) \wedge (\neg v6_modelc_2 X0) \wedge (\neg v7_modelc_2 X0) \wedge (\neg \\ v8_modelc_2 X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ (v2_modelc_2 X0) \Rightarrow ((k1_funct_1 X0 np_1 \neq k6_numbers) \wedge ((k1_funct_1 \\ X0 np_1 \neq np_1) \wedge ((k1_funct_1 X0 np_1 \neq np_2) \wedge ((k1_funct_1 X0 \\ np_1 \neq np_3) \wedge ((k1_funct_1 X0 np_1 \neq np_4) \wedge (k1_funct_1 X0 np_1 \neq \\ np_5)))))))))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ (v8_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_5)) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ (v7_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_4)) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ (v6_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_3)) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v5_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_2) \quad (6)$$

Assume the following.

$$\forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v4_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = np_1) \quad (7)$$

Assume the following.

$$\forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (v3_modelc_2 X0) \Rightarrow (k1_funct_1 X0 np_1 = k6_numbers) \quad (8)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ & \neg(\neg(v2_modelc_2 X0) \wedge ((k1_funct_1 X0 np_1 \neq k6_numbers) \wedge ((k1_funct_1 \\ & X0 np_1 \neq np_1) \wedge ((k1_funct_1 X0 np_1 \neq np_2) \wedge ((k1_funct_1 X0 \\ & np_1 \neq np_3) \wedge ((k1_funct_1 X0 np_1 \neq np_4) \wedge (k1_funct_1 X0 np_1 \neq \\ & np_5)))))) \wedge (\neg(v3_modelc_2 X0) \wedge (k1_funct_1 X0 np_1 = k6_numbers)) \wedge \\ & ((\neg(v4_modelc_2 X0) \wedge (k1_funct_1 X0 np_1 = np_1)) \wedge (\neg(v5_modelc_2 \\ & X0) \wedge (k1_funct_1 X0 np_1 = np_2)) \wedge (\neg(v6_modelc_2 X0) \wedge (k1_funct_1 \\ & X0 np_1 = np_3)) \wedge (\neg(v7_modelc_2 X0) \wedge (k1_funct_1 X0 np_1 = np_4)) \wedge \\ & (\neg(v8_modelc_2 X0) \wedge (k1_funct_1 X0 np_1 = np_5)))))) \end{aligned}$$