l40_modelc_2 (TMVkfLfyxKNzzNNAt-Beh8rFDGYFWyunneG7)

October 27, 2020

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 $v7\_modelc\_2 : \iota \Rightarrow o$ be given. Let $v2\_modelc\_2 : \iota \Rightarrow o$ 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 $v8\_modelc\_2 : \iota \Rightarrow o$ 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. Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v6\_modelc\_2\ X0) \Rightarrow ((\neg v2\_modelc\_2\ X0) \wedge ((\neg v3\_modelc\_2\ X0) \wedge ((\neg v4\_modelc\_2\ X0) \wedge ((\neg v5\_modelc\_2\ X0) \wedge ((\neg v7\_modelc\_2\ X0) \wedge (\neg v8\_modelc\_2\ X0))))))) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v5\_modelc\_2\ X0) \Rightarrow ((\neg v2\_modelc\_2\ X0) \wedge ((\neg v3\_modelc\_2\ X0) \wedge ((\neg v4\_modelc\_2\ X0) \wedge ((\neg v6\_modelc\_2\ X0) \wedge ((\neg v7\_modelc\_2\ X0) \wedge (\neg v8\_modelc\_2\ X0))))))) \tag{2}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v4\_modelc\_2\ X0) \Rightarrow ((\neg v2\_modelc\_2\ X0) \wedge ((\neg v3\_modelc\_2\ X0) \wedge ((\neg v5\_modelc\_2\ X0) \wedge ((\neg v6\_modelc\_2\ X0) \wedge ((\neg v7\_modelc\_2\ X0) \wedge (\neg v8\_modelc\_2\ X0))))))) \tag{3}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v3\_modelc\_2\ X0) \Rightarrow ((\neg v2\_modelc\_2\ X0) \wedge ((\neg v4\_modelc\_2\ X0) \wedge ((\neg v5\_modelc\_2\ X0) \wedge ((\neg v6\_modelc\_2\ X0) \wedge ((\neg v7\_modelc\_2\ X0) \wedge (\neg v8\_modelc\_2\ X0))))))) \tag{4}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0)\wedge(m2\_finseq\_1\ X0\ k5\_numbers))\Rightarrow(\\(v2\_modelc\_2\ X0)\Rightarrow((k1\_funct\_1\ X0\ np\_\_1\neq k6\_numbers)\wedge((k1\_funct\_1\\ X0\ np\_\_1\neq np\_\_1)\wedge((k1\_funct\_1\ X0\ np\_\_1\neq np\_\_2)\wedge((k1\_funct\_1\ X0\\ np\_\_1\neq np\_\_3)\wedge((k1\_funct\_1\ X0\ np\_\_1\neq np\_\_4)\wedge(k1\_funct\_1\ X0\ np\_\_1\neq\\ np\_\_5))))))) \tag{5}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0)\wedge(m2\_finseq\_1\ X0\ k5\_numbers))\Rightarrow(\\(v8\_modelc\_2\ X0)\Rightarrow(k1\_funct\_1\ X0\ np\_\_1 = np\_\_5)) \tag{6}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0)\wedge(m2\_finseq\_1\ X0\ k5\_numbers))\Rightarrow(\\(v7\_modelc\_2\ X0)\Rightarrow(k1\_funct\_1\ X0\ np\_\_1 = np\_\_4)) \tag{7}$$

Theorem 1

$$\forall X0.((v1\_modelc\_2\ X0)\wedge(m2\_finseq\_1\ X0\ k5\_numbers))\Rightarrow(\\(v7\_modelc\_2\ X0)\Rightarrow((\neg v2\_modelc\_2\ X0)\wedge((\neg v3\_modelc\_2\ X0)\wedge((\neg\\ v4\_modelc\_2\ X0)\wedge((\neg v5\_modelc\_2\ X0)\wedge((\neg v6\_modelc\_2\ X0)\wedge(\neg v8\_modelc\_2\\ X0)))))))$$