

## l37\_modelc\_2

(TMVB4knpeSRpyHenxHBcPNQC2rFF3i38Ryy)

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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  $v4\_modelc\_2 : \iota \Rightarrow o$  be given. Let  $v2\_modelc\_2 : \iota \Rightarrow o$  be given. Let  $v3\_modelc\_2 : \iota \Rightarrow o$  be given. Let  $v5\_modelc\_2 : \iota \Rightarrow o$  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. 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.

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

Assume the following.

$$\begin{aligned} \forall X0.((v1\_modelc\_2 X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ( \\ (v2\_modelc\_2 X0) \Rightarrow ((k1\_funct\_1 X0 np\_1 \neq k6\_numbers) \wedge ((k1\_funct\_1 \\ X0 np\_1 \neq np\_1) \wedge ((k1\_funct\_1 X0 np\_1 \neq np\_2) \wedge ((k1\_funct\_1 X0 \\ np\_1 \neq np\_3) \wedge ((k1\_funct\_1 X0 np\_1 \neq np\_4) \wedge (k1\_funct\_1 X0 np\_1 \neq \\ np\_5))))))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1\_modelc\_2 X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ( \\ (v8\_modelc\_2 X0) \Rightarrow (k1\_funct\_1 X0 np\_1 = np\_5)) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1\_modelc\_2 X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ( \\ (v7\_modelc\_2 X0) \Rightarrow (k1\_funct\_1 X0 np\_1 = np\_4)) \end{aligned} \tag{4}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1\_modelc\_2 X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow ( \\ (v6\_modelc\_2 X0) \Rightarrow (k1\_funct\_1 X0 np\_1 = np\_3)) \end{aligned} \tag{5}$$

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.

$$\forall X0.((v1\_modelc\_2 X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow (v4\_modelc\_2 X0) \Rightarrow (k1\_funct\_1 X0 np\_1 = np\_1) \quad (7)$$

**Theorem 1**

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