t4_modelc_2 (TMVk7f7FkGkrCBE1Yfx1CAewqqFk982Czt1)

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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 $v3\_modelc\_2 : \iota \Rightarrow o$ be given. Let $k3\_modelc\_2 : \iota \Rightarrow \iota$ be given. Let $k10\_modelc\_2 : \iota \Rightarrow \iota$ be given. Let $v6\_modelc\_2 : \iota \Rightarrow o$ be given. Let $k6\_modelc\_2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v3\_modelc\_2\ X0) \vee (v6\_modelc\_2\ X0)) \Rightarrow (\forall X1.((v1\_modelc\_2\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \Rightarrow (((v3\_modelc\_2\ X0) \Rightarrow ((X1 = k10\_modelc\_2\ X0) \Leftrightarrow (k3\_modelc\_2\ X1 = X0))) \wedge ((\neg v3\_modelc\_2\ X0) \Rightarrow ((X1 = k10\_modelc\_2\ X0) \Leftrightarrow (k6\_modelc\_2\ X1 = X0))))) \tag{1}$$

Assume the following.

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v3\_modelc\_2\ X0) \Leftrightarrow (\exists X1.((v1\_modelc\_2\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \wedge (X0 = k3\_modelc\_2\ X1))) \tag{2}$$

Theorem 1

$$\forall X0.((v1\_modelc\_2\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow ((v3\_modelc\_2\ X0) \Rightarrow (X0 = k3\_modelc\_2\ (k10\_modelc\_2\ X0)))$$