

t45_modelc_2 (TMM-
cAt1Kb4AWvGtZQqJTFXuLqUETzUdeU4E)

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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 $k13_modelc_2 : \iota \Rightarrow \iota$ be given. Let $r2_modelc_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ & \quad \forall X1.(X1 = k13_modelc_2 X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (\exists X3. \\ & ((v1_modelc_2 X3) \wedge (m2_finseq_1 X3 k5_numbers)) \wedge ((X3 = X2) \wedge (r2_modelc_2 \\ & \quad X3 X0)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_modelc_2 X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\\ & \forall X1.((v1_modelc_2 X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow (\\ & \quad (X0 \in k13_modelc_2 X1) \Leftrightarrow (r2_modelc_2 X0 X1))) \end{aligned}$$