

t47_dickson (TMTpFnHUTbKjd- PVceW6q35rmpaaGLtT4YNZ)

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Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v4_dickson : \iota \Rightarrow o$ be given. Let $v3_dickson : \iota \Rightarrow o$ be given. Let $k3_yellow_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11_dickson : \iota$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(l1_orders_2 X0) \Rightarrow (\forall X1.(l1_orders_2 X1) \Rightarrow ((\\ (v4_dickson X0) \wedge ((v4_dickson X1) \wedge ((v3_dickson X0) \wedge (v3_dickson \\ X1)))) \Rightarrow ((v3_dickson (k3_yellow_3 X0 X1)) \wedge (v4_dickson (k3_yellow_3 \\ X0 X1)))))) \end{aligned} \tag{1}$$

Assume the following.

$$(\neg v2_struct_0 k11_dickson) \wedge (v3_dickson k11_dickson) \tag{2}$$

Assume the following.

$$(\neg v2_struct_0 k11_dickson) \wedge (v4_dickson k11_dickson) \tag{3}$$

Assume the following.

$$(\neg v2_struct_0 k11_dickson) \wedge (l1_orders_2 k11_dickson) \tag{4}$$

Theorem 1

$$\begin{aligned} \forall X0.(l1_orders_2 X0) \Rightarrow (((v4_dickson X0) \wedge (v3_dickson X0)) \Rightarrow \\ ((v3_dickson (k3_yellow_3 X0 k11_dickson)) \wedge (v4_dickson (k3_yellow_3 \\ X0 k11_dickson)))) \end{aligned}$$