

t21_revrot_1

(TMY2ooTJtAM7xbhEL3rGgfHUYg8KadsLtNe)

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Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_goboard1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m2_finseq_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((r1_tarski (k10_xtuple_0 X0) (k10_xtuple_0 X1)) \Rightarrow (r1_tarski \\ & (k10_xtuple_0 (k1_goboard1 X0)) (k10_xtuple_0 (k1_goboard1 X1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m2_finseq_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k10_xtuple_0 X0 = k10_xtuple_0 X1) \Rightarrow (k10_xtuple_0 (k1_goboard1 \\ & X0) = k10_xtuple_0 (k1_goboard1 X1)))) \end{aligned}$$