

l1_goboard3

(TMRiejLK5MVzpdTJaZugcgqcvKWLkk2JitB)

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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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k2_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_topreal1 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k17_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 k5_numbers) \Rightarrow ((v2_topreal1 X0) \Rightarrow (\\ & v2_topreal1 (k17_finseq_1 (u1_struct_0 (k15_euclid np_2)) X1 \\ & X0)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 k5_numbers) \Rightarrow (((k3_finseq_1 X0 = k2_nat_1 \\ & X1 np_1) \wedge (v2_topreal1 X0)) \Rightarrow ((X1 = k6_numbers) \vee (v2_topreal1 \\ & (k17_finseq_1 (u1_struct_0 (k15_euclid np_2)) X1 X0)))))) \end{aligned}$$