

l12_dtconstr (TMYpXXbDqc- qfqKevWDnV6HkUw6MEWPUtRYG)

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Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_dtconstr : \iota$ be given. Let $k7_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_lang1 : \iota \Rightarrow o$ be given. Let $l1_lang1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_lang1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_pre_poly : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$(\neg v2_struct_0\ k5_dtconstr) \wedge ((v1_lang1\ k5_dtconstr) \wedge (l1_lang1\ k5_dtconstr)) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0\ X0) \wedge ((v1_lang1\ X0) \wedge (l1_lang1\ X0))) \Rightarrow \\ & ((X0 = k5_dtconstr) \Leftrightarrow ((u1_struct_0\ X0 = k7_domain_1\ k5_numbers \\ & \quad k6_numbers\ np_1) \wedge (\forall X1. (m1_subset_1\ X1\ (u1_struct_0\ X0)) \Rightarrow \\ & \quad (\forall X2. (m2_finseq_1\ X2\ (u1_struct_0\ X0)) \Rightarrow ((r1_lang1\ X0\ X1 \\ & \quad X2) \Leftrightarrow ((X1 = np_1) \wedge ((X2 = k3_pre_poly\ k5_numbers\ k6_numbers) \vee \\ & \quad \quad X2 = k3_pre_poly\ k5_numbers\ np_1)))))))) \quad (2) \end{aligned}$$

Theorem 1 $u1_struct_0\ k5_dtconstr = k7_domain_1\ k5_numbers\ k6_numbers\ np_1$.