

l4_scm_comp (TMHFTeLqt- tfiGxWzmKLH5EBcMBtcZvGosw2)

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Let $k7_dtconstr : \iota \Rightarrow \iota$ be given. Let $k1_scm_comp : \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_5 : \iota$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v1_lang1 : \iota \Rightarrow o$ be given. Let $v1_dtconstr : \iota \Rightarrow o$ be given. Let $v2_dtconstr : \iota \Rightarrow o$ be given. Let $v3_dtconstr : \iota \Rightarrow o$ be given. Let $v3_bintree1 : \iota \Rightarrow o$ be given. Let $l1_lang1 : \iota \Rightarrow o$ be given. Let $k6_dtconstr : \iota \Rightarrow \iota$ be given. Let $k2_ami_2 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $r1_lang1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_pre_poly : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & (\neg v2_struct_0 \ k1_scm_comp) \wedge ((v1_lang1 \ k1_scm_comp) \wedge ((v1_dtconstr \\ & k1_scm_comp) \wedge ((v2_dtconstr \ k1_scm_comp) \wedge ((v3_dtconstr \ k1_scm_comp) \wedge \\ & ((v3_bintree1 \ k1_scm_comp) \wedge (l1_lang1 \ k1_scm_comp)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 \ X0) \wedge ((v1_lang1 \ X0) \wedge ((v1_dtconstr \\ & X0) \wedge ((v2_dtconstr \ X0) \wedge ((v3_dtconstr \ X0) \wedge ((v3_bintree1 \ X0) \wedge \\ & (l1_lang1 \ X0)))))) \Rightarrow ((X0 = k1_scm_comp) \Leftrightarrow ((k6_dtconstr \ X0 = k2_ami_2) \wedge \\ & ((k7_dtconstr \ X0 = k2_zfmisc_1 \ np_1 \ np_5) \wedge (\forall X1. (m1_subset_1 \\ & X1 \ (u1_struct_0 \ X0)) \Rightarrow (\forall X2. (m1_subset_1 \ X2 \ (u1_struct_0 \\ & X0)) \Rightarrow (\forall X3. (m1_subset_1 \ X3 \ (u1_struct_0 \ X0)) \Rightarrow ((r1_lang1 \\ & X0 \ X1 \ (k4_pre_poly \ (u1_struct_0 \ X0) \ X2 \ X3)) \Leftrightarrow (X1 \in k2_zfmisc_1 \ np_1 \\ & np_5)))))))))) \end{aligned} \tag{2}$$

Theorem 1 $k7_dtconstr \ k1_scm_comp = k2_zfmisc_1 \ np_1 \ np_5$.