

t1_lopclset (TM- NYMG5JQNCHiVkSwunAUxPUBBMpBVji47z)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_lopclset : \iota \Rightarrow \iota$ be given. Let $v3_pre_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_pre_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. ((\neg v2_struct_0 X0) \wedge (l1_pre_topc X0)) \Rightarrow (k1_lopclset \\
 X0 = & \text{ReplSep } (\text{toSet } (\lambda X1 : \iota. m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
 & X0)))) (\lambda X1 : \iota. (v3_pre_topc X1 X0) \wedge (v4_pre_topc X1 X0)) (\\
 & \lambda X1 : \iota. X1))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0. ((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\
 X0))) & \Rightarrow (\forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
 X0))) & \Rightarrow ((X1 \in k1_lopclset X0) \Rightarrow (v3_pre_topc X1 X0)))
 \end{aligned}$$