

117_yellow13 (TMRWRYPfhxVknCjWSztMjg- gmXggWzXbwDHX)

October 27, 2020

Let $v2_struct_0 : \iota \Rightarrow o$ 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 $v1_yellow_8 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_tops_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge (l1_pre_topc X0)) \wedge \\ & (m1_subset_1 X1 (u1_struct_0 X0))) \Rightarrow (\exists X2. (m1_subset_1 \\ & X2 (k1_zfmisc_1 (k1_zfmisc_1 (u1_struct_0 X0)))) \wedge ((v1_tops_2 \\ & X2 X0) \wedge (v1_yellow_8 X2 X0 X1))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 X0) \wedge (l1_pre_topc X0)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\neg (\forall X3. ((v1_yellow_8 \\ & X3 X0 X2) \wedge ((v1_tops_2 X3 X0) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k1_zfmisc_1 \\ & (u1_struct_0 X0)))))) \Rightarrow (\forall X4. (m1_subset_1 X4 (k1_zfmisc_1 \\ & (u1_struct_0 X0))) \Rightarrow (\neg (X4 \in X3) \wedge (r1_xboole_0 X1 X4)))) \wedge (\forall X3. \\ & ((v1_yellow_8 X3 X0 X2) \wedge ((v1_tops_2 X3 X0) \wedge (m1_subset_1 X3 (k1_zfmisc_1 \\ & (k1_zfmisc_1 (u1_struct_0 X0)))))) \Rightarrow (\exists X4. (m1_subset_1 \\ & X4 (k1_zfmisc_1 (u1_struct_0 X0))) \wedge ((X4 \in X3) \wedge (r1_xboole_0 X1 \\ & X4)))))) \end{aligned}$$