

t3_frechet

(TMXmV6PGhtV8P34NdvgQgpr38dxAnE1F2vu)

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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 $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v1_tops_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_yellow_8 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (((\neg v2_struct_0 \ X0) \wedge ((v2_pre_topc \ X0) \wedge \\ & (l1_pre_topc \ X0))) \wedge (m1_subset_1 \ X1 \ (u1_struct_0 \ X0))) \Rightarrow (\forall X2. \\ & (m1_subset_1 \ X2 \ (k1_zfmisc_1 \ (k1_zfmisc_1 \ (u1_struct_0 \ X0)))) \Rightarrow \\ & (((v1_tops_2 \ X2 \ X0) \wedge (v1_yellow_8 \ X2 \ X0 \ X1)) \Rightarrow ((\neg v1_xboole_0 \ X2) \wedge \\ & ((v1_tops_2 \ X2 \ X0) \wedge (v1_yellow_8 \ X2 \ X0 \ X1)))))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0. ((\neg v2_struct_0 \ X0) \wedge ((v2_pre_topc \ X0) \wedge (l1_pre_topc \\ & \ X0))) \Rightarrow (\forall X1. (m1_subset_1 \ X1 \ (u1_struct_0 \ X0))) \Rightarrow (\forall X2. \\ & ((v1_tops_2 \ X2 \ X0) \wedge ((v1_yellow_8 \ X2 \ X0 \ X1) \wedge (m1_subset_1 \ X2 \ (k1_zfmisc_1 \\ & \ (k1_zfmisc_1 \ (u1_struct_0 \ X0)))))) \Rightarrow (X2 \neq k1_xboole_0)) \end{aligned}$$