

t19_yellow13

(TMWPg3VBemWporWtsvGgcrDedc6dfEftaKn)

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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 $m1_yellow13 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_connsp_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge (v2_pre_topc X0) \wedge (l1_pre_topc X0)) \wedge (m1_subset_1 X1 (u1_struct_0 X0))) \Rightarrow (\exists X2. m1_connsp_2 X2 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((l1_pre_topc X0) \wedge (m1_subset_1 X1 (u1_struct_0 X0))) \Rightarrow (\forall X2. (m1_yellow13 X2 X0 X1) \Rightarrow (m1_subset_1 X2 (k1_zfmisc_1 (k1_zfmisc_1 (u1_struct_0 X0)))))) \quad (3)$$

Assume the following.

$$\forall X0. (((\neg v2_struct_0 X0) \wedge (v2_pre_topc X0) \wedge (l1_pre_topc X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k1_zfmisc_1 (u1_struct_0 X0)))) \Rightarrow ((m1_yellow13 X2 X0 X1) \Leftrightarrow (\forall X3. (m1_connsp_2 X3 X0 X1) \Rightarrow (\exists X4. (m1_connsp_2 X4 X0 X1) \wedge ((X4 \in X2) \wedge (r1_tarski X4 X3)))))))) \quad (4)$$

Theorem 1

$$\forall X0. (((\neg v2_struct_0 X0) \wedge (v2_pre_topc X0) \wedge (l1_pre_topc X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. (m1_yellow13 X2 X0 X1) \Rightarrow (\neg v1_xboole_0 X2))))$$