

t36_yellow_6

(TMdigqY59aZqz14vnNXAHAd5dYAkzyfLncW)

October 27, 2020

Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $v8_pre_topc : \iota \Rightarrow o$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $v4_orders_2 : \iota \Rightarrow o$ be given. Let $v7_waybel_0 : \iota \Rightarrow o$ be given. Let $v1_yellow_6 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $l1_waybel_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k11_yellow_6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_yellow_6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k10_yellow_6 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v3_yellow_6 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((X0 \in X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X2))) \Rightarrow (m1_subset_1 X0 X2) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc X0))) \Rightarrow (\forall X1. ((\neg v2_struct_0 X1) \wedge ((v4_orders_2 X1) \wedge ((v7_waybel_0 X1) \wedge ((v1_yellow_6 X1 X0) \wedge (l1_waybel_0 X1 X0))))) \Rightarrow (k4_yellow_6 X0 X1 \in k10_yellow_6 X0 X1)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc X0))) \wedge ((\neg v2_struct_0 X1) \wedge ((v4_orders_2 X1) \wedge ((v7_waybel_0 X1) \wedge (l1_waybel_0 X1 X0))))) \Rightarrow (m1_subset_1 (k10_yellow_6 X0 X1) (k1_zfmisc_1 (u1_struct_0 X0))) \quad (3)$$

Assume the following.

$$\forall X0. ((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge ((v8_pre_topc X0) \wedge (l1_pre_topc X0)))) \Rightarrow (\forall X1. ((\neg v2_struct_0 X1) \wedge ((v4_orders_2 X1) \wedge ((v7_waybel_0 X1) \wedge ((v3_yellow_6 X1 X0) \wedge (l1_waybel_0 X1 X0))))) \Rightarrow (\forall X2. (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow ((X2 = k11_yellow_6 X0 X1) \Leftrightarrow (X2 \in k10_yellow_6 X0 X1)))) \quad (4)$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge (l1_pre_topc \\
& X0))) \Rightarrow (\forall X1.(l1_waybel_0 X1 X0) \Rightarrow (((\neg v2_struct_0 X1) \wedge \\
& (v4_orders_2 X1) \wedge ((v7_waybel_0 X1) \wedge (v1_yellow_6 X1 X0)))) \Rightarrow (\\
& (\neg v2_struct_0 X1) \wedge ((v4_orders_2 X1) \wedge ((v7_waybel_0 X1) \wedge (v3_yellow_6 \\
& X1 X0))))))
\end{aligned} \tag{5}$$

Theorem 1

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge ((v2_pre_topc X0) \wedge ((v8_pre_topc \\
& X0) \wedge (l1_pre_topc X0)))) \Rightarrow (\forall X1.((\neg v2_struct_0 X1) \wedge ((v4_orders_2 \\
& X1) \wedge ((v7_waybel_0 X1) \wedge ((v1_yellow_6 X1 X0) \wedge (l1_waybel_0 X1 X0)))))) \Rightarrow \\
& (k11_yellow_6 X0 X1 = k4_yellow_6 X0 X1)
\end{aligned}$$