

t61\_yellow\_9  
(TMYM48PAcwpj3dPAbJCmWocs7bSt5BgjijH)

October 27, 2020

Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $l1\_orders\_2 : \iota \Rightarrow o$  be given. Let  $v2\_pre\_topc : \iota \Rightarrow o$  be given. Let  $m1\_yellow\_9 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m3\_yellow\_9 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_tops\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_setfam\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_pre\_topc : \iota \Rightarrow \iota$  be given. Let  $v1\_cantor\_1 : \iota \Rightarrow \iota \Rightarrow o$  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  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $g1\_orders\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_orders\_2 : \iota \Rightarrow \iota$  be given. Let  $l1\_waybel\_9 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2\_struct\_0 X0) \wedge ((v2\_pre\_topc X0) \wedge (l1\_pre\_topc \\ & X0))) \Rightarrow (\forall X1.((\neg v2\_struct\_0 X1) \wedge ((v2\_pre\_topc X1) \wedge (l1\_pre\_topc \\ & X1))) \Rightarrow ((u1\_struct\_0 X0 = u1\_struct\_0 X1) \Rightarrow (\forall X2.(m3\_yellow\_9 \\ & X2 X0 X1) \Rightarrow ((v1\_tops\_2 (k3\_setfam\_1 (u1\_pre\_topc X0) (u1\_pre\_topc \\ & X1)) X2) \wedge ((v1\_cantor\_1 (k3\_setfam\_1 (u1\_pre\_topc X0) (u1\_pre\_topc \\ & X1)) X2) \wedge (m1\_subset\_1 (k3\_setfam\_1 (u1\_pre\_topc X0) (u1\_pre\_topc \\ & X1)) (k1\_zfmisc\_1 (k1\_zfmisc\_1 (u1\_struct\_0 X2)))))))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ & X0 X0))) \Rightarrow (\forall X2. \forall X3. (g1\_orders\_2 X0 X1 = g1\_orders\_2 \\ & X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1\_orders\_2 X0) \Rightarrow (m1\_subset\_1 (u1\_orders\_2 X0) (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 (u1\_struct\_0 X0) (u1\_struct\_0 X0)))) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1\_orders\_2 X0) \Rightarrow (\forall X1. (m1\_yellow\_9 X1 X0) \Rightarrow \\ & (l1\_waybel\_9 X1)) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1\_waybel\_9 X0) \Rightarrow ((l1\_pre\_topc X0) \wedge (l1\_orders\_2 X0)) \end{aligned} \quad (5)$$

Assume the following.

$$\forall X0.(l1\_orders\_2 X0) \Rightarrow (\forall X1.(l1\_waybel\_9 X1) \Rightarrow ((m1\_yellow\_9 X1 X0) \Leftrightarrow (g1\_orders\_2 (u1\_struct\_0 X1) (u1\_orders\_2 X1) = g1\_orders\_2 (u1\_struct\_0 X0) (u1\_orders\_2 X0)))) \quad (6)$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_orders\_2 X0)) \Rightarrow (\forall X1.(m1\_yellow\_9 X1 X0) \Rightarrow (\neg v2\_struct\_0 X1)) \quad (7)$$

**Theorem 1**

$$\forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_orders\_2 X0)) \Rightarrow (\forall X1.((v2\_pre\_topc X1) \wedge (m1\_yellow\_9 X1 X0)) \Rightarrow (\forall X2.((v2\_pre\_topc X2) \wedge (m1\_yellow\_9 X2 X0)) \Rightarrow (\forall X3.(m3\_yellow\_9 X3 X1 X2) \Rightarrow ((v1\_tops\_2 (k3\_setfam\_1 (u1\_pre\_topc X1) (u1\_pre\_topc X2)) X3) \wedge ((v1\_cantor\_1 (k3\_setfam\_1 (u1\_pre\_topc X1) (u1\_pre\_topc X2)) X3) \wedge (m1\_subset\_1 (k3\_setfam\_1 (u1\_pre\_topc X1) (u1\_pre\_topc X2)) (k1\_zfmisc\_1 (k1\_zfmisc\_1 (u1\_struct\_0 X3))))))))))$$