

t1_yellow_1 (TMKbUFUaEBmkQwVHLwbr- pAbubN3h9a5wDhW)

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Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_yellow_1 : \iota \Rightarrow \iota$ be given. Let $u1_orders_2 : \iota \Rightarrow \iota$ be given. Let $k1_yellow_1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $g1_orders_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_2 : \iota \Rightarrow o$ be given. Let $v4_relat_2 : \iota \Rightarrow o$ be given. Let $v8_relat_2 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_orders_2 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\ X0 X0))) \Rightarrow (\forall X2. \forall X3. (g1_orders_2 X0 X1 = g1_orders_2 \\ X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (v1_relat_2 (k1_yellow_1 X0) \wedge ((v4_relat_2 (k1_yellow_1 \\ X0) \wedge ((v8_relat_2 (k1_yellow_1 X0) \wedge ((v1_partfun1 (k1_yellow_1 \\ X0) X0) \wedge (m1_subset_1 (k1_yellow_1 X0) (k1_zfmisc_1 (k2_zfmisc_1 \\ X0 X0))))))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 \\ X0 X0))) \Rightarrow ((v1_orders_2 (g1_orders_2 X0 X1)) \wedge (l1_orders_2 (g1_orders_2 \\ X0 X1))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0. k2_yellow_1 X0 = g1_orders_2 X0 (k1_yellow_1 X0) \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0. (l1_orders_2 X0) \Rightarrow ((v1_orders_2 X0) \Rightarrow (X0 = g1_orders_2 \\ (u1_struct_0 X0) (u1_orders_2 X0))) \end{aligned} \quad (5)$$

Theorem 1

$$\begin{aligned} \forall X0. (u1_struct_0 (k2_yellow_1 X0) = X0) \wedge (u1_orders_2 (\\ k2_yellow_1 X0) = k1_yellow_1 X0) \end{aligned}$$