

t6_waybel24 (TMSwU-
vNDBV4PGdBNkQUttq7WEoFxQw6TRq5)

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Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ 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 $k6_yellow_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k1_yellow_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_yellow_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_orders_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((\neg v2_struct_0 X1) \wedge (l1_orders_2 X1)) \Rightarrow \\ & (\forall X2. (m1_subset_1 X2 (u1_struct_0 (k6_yellow_1 X0 X1))) \Rightarrow \\ & ((X2 \in u1_struct_0 (k5_yellow_1 X0 (k7_funcop_1 X0 X1))) \wedge ((v1_funct_1 \\ & X2) \wedge ((v1_funct_2 X2 X0 (u1_struct_0 X1)) \wedge (m1_subset_1 X2 (k1_zfmisc_1 \\ & (k2_zfmisc_1 X0 (u1_struct_0 X1)))))))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (l1_orders_2 X1) \Rightarrow ((v1_orders_2 (k6_yellow_1 X0 X1)) \wedge (l1_orders_2 (k6_yellow_1 X0 X1))) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (l1_orders_2 X0) \Rightarrow (m1_subset_1 (k1_yellow_0 X0 X1) (u1_struct_0 X0)) \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. ((\neg v2_struct_0 X1) \wedge \\ & (l1_orders_2 X1)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (\\ & u1_struct_0 (k6_yellow_1 (u1_struct_0 X0) X1)))) \Rightarrow ((v1_funct_1 \\ & (k1_yellow_0 (k6_yellow_1 (u1_struct_0 X0) X1) X2)) \wedge ((v1_funct_2 \\ & (k1_yellow_0 (k6_yellow_1 (u1_struct_0 X0) X1) X2) (u1_struct_0 \\ & X0) (u1_struct_0 X1)) \wedge (m1_subset_1 (k1_yellow_0 (k6_yellow_1 \\ & (u1_struct_0 X0) X1) X2) (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 \\ & X0) (u1_struct_0 X1)))))))) \end{aligned}$$