

t18_waybel27 (TMZhfy-
Wvqw7tGDpvn5WFPB6qo67FadnaRZ3)

October 27, 2020

Let $r5_waybel_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_yellow_1 : \iota \Rightarrow \iota$ be given. Let $k6_yellow_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ 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 $v23_waybel_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_funct_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ be given. Let $v1_orders_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \exists X1. ((v1_funct_1 X1) \wedge ((v1_funct_2 X1 (u1_struct_0 \\ & (k3_yellow_1 X0)) (u1_struct_0 (k6_yellow_1 X0 (k3_yellow_1 np_1)))))) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 (u1_struct_0 (k3_yellow_1 \\ & X0)) (u1_struct_0 (k6_yellow_1 X0 (k3_yellow_1 np_1)))))) \wedge \\ & ((v23_waybel_0 X1 (k3_yellow_1 X0) (k6_yellow_1 X0 (k3_yellow_1 \\ & np_1)))) \wedge (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 X0)) \Rightarrow (k1_funct_1 \\ & X1 X2 = k5_funct_3 X2 X0))) \end{aligned} \tag{1}$$

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.

$$\forall X0. (v1_orders_2 (k3_yellow_1 X0)) \wedge (l1_orders_2 (k3_yellow_1 X0)) \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1_orders_2 X0) \Rightarrow (\forall X1. (l1_orders_2 X1) \Rightarrow ((\\ & r5_waybel_1 X0 X1) \Leftrightarrow (\exists X2. ((v1_funct_1 X2) \wedge ((v1_funct_2 \\ & X2 (u1_struct_0 X0) (u1_struct_0 X1)) \wedge (m1_subset_1 X2 (k1_zfmisc_1 \\ & (k2_zfmisc_1 (u1_struct_0 X0) (u1_struct_0 X1)))))) \wedge (v23_waybel_0 \\ & X2 X0 X1)))) \end{aligned} \tag{4}$$

Theorem 1

$\forall X0.r5_waybel_1 (k3_yellow_1 X0) (k6_yellow_1 X0 (k3_yellow_1$
 $np_1))$