

t33_waybel_0 (TMd-
KbF7gQ4H5FHjK91zD5vnJcFSbunbYTXF)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v3_orders_2 : \iota \Rightarrow o$ be given. Let $v4_orders_2 : \iota \Rightarrow o$ be given. Let $l1_orders_2 : \iota \Rightarrow o$ 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 $r1_yellow_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_yellow_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_waybel_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r2_lattice3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l1_orders_2 X0)) \Rightarrow (\forall X1. \\ & \quad \forall X2.((r1_yellow_0 X0 X1) \wedge (\forall X3.(m1_subset_1 X3 (\\ & \quad u1_struct_0 X0)) \Rightarrow ((r2_lattice3 X0 X1 X3) \Leftrightarrow (r2_lattice3 X0 X2 X3)))) \Rightarrow \\ & \quad (k1_yellow_0 X0 X1 = k1_yellow_0 X0 X2)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge ((v3_orders_2 X0) \wedge ((v4_orders_2 \\ & \quad X0) \wedge (l1_orders_2 X0)))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & \quad (u1_struct_0 X0))) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 \\ & \quad X0)) \Rightarrow ((r2_lattice3 X0 X1 X2) \Leftrightarrow (r2_lattice3 X0 (k3_waybel_0 X0 X1) \\ & \quad X2)))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge ((v3_orders_2 X0) \wedge ((v4_orders_2 \\ & \quad X0) \wedge (l1_orders_2 X0)))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ & \quad (u1_struct_0 X0))) \Rightarrow ((r1_yellow_0 X0 X1) \Rightarrow (k1_yellow_0 X0 X1 = k1_yellow_0 \\ & \quad X0 (k3_waybel_0 X0 X1)))) \end{aligned}$$