

Assume the following.

$$\begin{aligned} \forall X0. (& \neg v2_struct_0 X0) \wedge ((v2_unialg_1 X0) \wedge ((v3_unialg_1 \\ X0) \wedge ((v4_unialg_1 X0) \wedge (l1_unialg_1 X0)))) & \Rightarrow ((v1_funct_1 (k11_unialg_2 \\ X0)) \wedge ((v1_funct_2 (k11_unialg_2 X0) (k2_zfmisc_1 (k9_unialg_2 \\ X0) (k9_unialg_2 X0)) (k9_unialg_2 X0)) \wedge (m1_subset_1 (k11_unialg_2 \\ X0) (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 (k9_unialg_2 X0) (\\ k9_unialg_2 X0)) (k9_unialg_2 X0)))))) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0. (& \neg v2_struct_0 X0) \wedge ((v2_unialg_1 X0) \wedge ((v3_unialg_1 \\ X0) \wedge ((v4_unialg_1 X0) \wedge (l1_unialg_1 X0)))) & \Rightarrow ((v1_funct_1 (k10_unialg_2 \\ X0)) \wedge ((v1_funct_2 (k10_unialg_2 X0) (k2_zfmisc_1 (k9_unialg_2 \\ X0) (k9_unialg_2 X0)) (k9_unialg_2 X0)) \wedge (m1_subset_1 (k10_unialg_2 \\ X0) (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 (k9_unialg_2 X0) (\\ k9_unialg_2 X0)) (k9_unialg_2 X0)))))) \end{aligned} \quad (5)$$

Assume the following.

$$\begin{aligned} \forall X0. (& \neg v2_struct_0 X0) \wedge ((v2_unialg_1 X0) \wedge ((v3_unialg_1 \\ X0) \wedge ((v4_unialg_1 X0) \wedge ((v2_unialg_2 X0) \wedge (l1_unialg_1 X0)))))) & \Rightarrow \\ (k12_unialg_2 X0 = g3_lattices (k9_unialg_2 X0) (k10_unialg_2 \\ X0) (k11_unialg_2 X0)) \end{aligned} \quad (6)$$

Assume the following.

$$\forall X0. (l3_lattices X0) \Rightarrow ((v3_lattices X0) \Rightarrow (X0 = g3_lattices \\ (u1_struct_0 X0) (u2_lattices X0) (u1_lattices X0))) \quad (7)$$

Theorem 1

$$\begin{aligned} \forall X0. (& \neg v2_struct_0 X0) \wedge ((v2_unialg_1 X0) \wedge ((v3_unialg_1 \\ X0) \wedge ((v4_unialg_1 X0) \wedge ((v2_unialg_2 X0) \wedge (l1_unialg_1 X0)))))) & \Rightarrow \\ (u1_struct_0 (k12_unialg_2 X0) = k1_unialg_3 X0) \end{aligned}$$