

t43_ec_pf_2 (TMGpB-
wLJ8Rc6J4V9n6mGK28GdNXUm7FiiGw)

October 27, 2020

Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_int_2 : \iota \Rightarrow o$ be given. Let $v1_ec_pf_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_5 : \iota$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k9_int_3 : \iota \Rightarrow \iota$ be given. Let $k1_ec_pf_2 : \iota \Rightarrow \iota$ be given. Let $k3_ec_pf_1 : \iota \Rightarrow \iota$ be given. Let $k6_ec_pf_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_ec_pf_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_ec_pf_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_ec_pf_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_ec_pf_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0.((v7_ordinal1 X0) \wedge ((v1_int_2 X0) \wedge (v1_ec_pf_2 X0 np_5))) \Rightarrow \\
 & (\forall X1.(m2_subset_1 X1 (k2_zfmisc_1 (u1_struct_0 (k9_int_3 \\
 & X0)) (u1_struct_0 (k9_int_3 X0))) (k1_ec_pf_2 X0)) \Rightarrow (\forall X2. \\
 & (m2_subset_1 X2 (k3_ec_pf_1 (k9_int_3 X0)) (k6_ec_pf_1 X0 (k2_ec_pf_2 \\
 & X0 X1) (k3_ec_pf_2 X0 X1))) \Rightarrow (k9_ec_pf_2 X0 X1 (k8_ec_pf_2 X0 X1) \\
 & (k9_ec_pf_2 X0 X1 (k8_ec_pf_2 X0 X1) X2) = X2)))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0.((v7_ordinal1 X0) \wedge ((v1_int_2 X0) \wedge (v1_ec_pf_2 X0 np_5))) \Rightarrow \\
 & (\forall X1.(m2_subset_1 X1 (k2_zfmisc_1 (u1_struct_0 (k9_int_3 \\
 & X0)) (u1_struct_0 (k9_int_3 X0))) (k1_ec_pf_2 X0)) \Rightarrow (\forall X2. \\
 & (m2_subset_1 X2 (k3_ec_pf_1 (k9_int_3 X0)) (k6_ec_pf_1 X0 (k2_ec_pf_2 \\
 & X0 X1) (k3_ec_pf_2 X0 X1))) \Rightarrow (\forall X3.(m2_subset_1 X3 (k3_ec_pf_1 \\
 & (k9_int_3 X0)) (k6_ec_pf_1 X0 (k2_ec_pf_2 X0 X1) (k3_ec_pf_2 X0 \\
 & X1))) \Rightarrow ((X2 = X3) \Leftrightarrow (k9_ec_pf_2 X0 X1 (k8_ec_pf_2 X0 X1) X2 = k9_ec_pf_2 \\
 & X0 X1 (k8_ec_pf_2 X0 X1) X3))))))
 \end{aligned}$$