

t61_pscomp_1
(TMdY9qV1YHdpSAdfK5e7D5f1UnaE1QZ1AN4)

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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 $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k19_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k20_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k11_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k21_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k12_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k10_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k18_pscomp_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow (X0 = k19_euclid (k17_euclid X0) (k18_euclid X0)) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((k18_euclid (k11_pscomp_1 X0) = k18_euclid (k20_pscomp_1 \\ X0)) \wedge ((k18_euclid (k11_pscomp_1 X0) = k18_euclid (k21_pscomp_1 \\ X0)) \wedge ((k18_euclid (k20_pscomp_1 X0) = k18_euclid (k21_pscomp_1 \\ X0)) \wedge ((k18_euclid (k20_pscomp_1 X0) = k18_euclid (k12_pscomp_1 \\ X0)) \wedge (k18_euclid (k21_pscomp_1 X0) = k18_euclid (k12_pscomp_1 \\ X0)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((k17_euclid (k10_pscomp_1 X0) = k17_euclid (k18_pscomp_1 \\ X0)) \wedge ((k17_euclid (k10_pscomp_1 X0) = k17_euclid (k19_pscomp_1 \\ X0)) \wedge ((k17_euclid (k18_pscomp_1 X0) = k17_euclid (k19_pscomp_1 \\ X0)) \wedge ((k17_euclid (k18_pscomp_1 X0) = k17_euclid (k11_pscomp_1 \\ X0)) \wedge (k17_euclid (k19_pscomp_1 X0) = k17_euclid (k11_pscomp_1 \\ X0)))))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow (m1_subset_1 (k19_pscomp_1 X0) (u1_struct_0 (k15_euclid \\ np_2))) \quad (4)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (m1_subset_1 (k11_pscomp_1 X0) (u1_struct_0 (k15_euclid np_2))) \quad (5)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow ((k19_pscomp_1 X0 = k20_pscomp_1 X0) \Rightarrow (k19_pscomp_1 X0 = k11_pscomp_1 X0))$$