

t63_pscomp_1
(TMUVPkvvjjjVxSthxhE5Riz4WYVPxKoqxy8)

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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 $k23_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k24_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k13_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k10_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k25_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k22_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k12_pscomp_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((k18_euclid (k10_pscomp_1 X0) = k18_euclid (k25_pscomp_1 \\ X0)) \wedge ((k18_euclid (k10_pscomp_1 X0) = k18_euclid (k24_pscomp_1 \\ X0)) \wedge ((k18_euclid (k25_pscomp_1 X0) = k18_euclid (k24_pscomp_1 \\ X0)) \wedge ((k18_euclid (k25_pscomp_1 X0) = k18_euclid (k13_pscomp_1 \\ X0)) \wedge (k18_euclid (k24_pscomp_1 X0) = k18_euclid (k13_pscomp_1 \\ X0)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (X0 = k19_euclid (k17_euclid X0) (k18_euclid X0)) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((k17_euclid (k13_pscomp_1 X0) = k17_euclid (k23_pscomp_1 \\ X0)) \wedge ((k17_euclid (k13_pscomp_1 X0) = k17_euclid (k22_pscomp_1 \\ X0)) \wedge ((k17_euclid (k23_pscomp_1 X0) = k17_euclid (k22_pscomp_1 \\ X0)) \wedge ((k17_euclid (k23_pscomp_1 X0) = k17_euclid (k12_pscomp_1 \\ X0)) \wedge (k17_euclid (k22_pscomp_1 X0) = k17_euclid (k12_pscomp_1 \\ X0)))))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow (m1_subset_1 (k23_pscomp_1 X0) (u1_struct_0 (k15_euclid \\ np_2))) \end{aligned} \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (m1_subset_1 (k13_pscomp_1 X0) (u1_struct_0 (k15_euclid np_2))) \quad (5)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow ((k23_pscomp_1 X0 = k24_pscomp_1 X0) \Rightarrow (k23_pscomp_1 X0 = k13_pscomp_1 X0))$$