

t30_sprect_1 (TMLPUwVb- sXZGW5D1tK87ZfyVfHBiHH1SB3Y)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_compts_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ 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 $k9_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k10_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k13_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ 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. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (X0 = k19_euclid (k17_euclid X0) (k18_euclid X0)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (k9_subset_1 (u1_struct_0 (k15_euclid np_2)) (k1_rltopsp1 (\\ k15_euclid np_2) X0 (k19_euclid (k17_euclid X0) (k18_euclid X1))) \\ (k1_rltopsp1 (k15_euclid np_2) (k19_euclid (k17_euclid X0) (\\ k18_euclid X1)) X1) = k1_tarski (k19_euclid (k17_euclid X0) (k18_euclid \\ X1)))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow (k18_euclid (k10_pscomp_1 X0) = k18_euclid (k13_pscomp_1 \\ X0)) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow (k17_euclid (k10_pscomp_1 X0) = k17_euclid (k11_pscomp_1 \\ X0)) \end{aligned} \quad (4)$$

Assume the following.

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

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (m1_subset_1 (k11_pscomp_1 X0) (u1_struct_0 (k15_euclid np_2))) \quad (6)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))) \Rightarrow (m1_subset_1 (k10_pscomp_1 X0) (u1_struct_0 (k15_euclid np_2))) \quad (7)$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v1_xboole_0 X0) \wedge ((v2_compts_1 X0 (k15_euclid np_2)) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))))) \Rightarrow \\ & (k9_subset_1 (u1_struct_0 (k15_euclid np_2)) (k1_rltopsp1 (\\ & k15_euclid np_2) (k11_pscomp_1 X0) (k10_pscomp_1 X0)) (k1_rltopsp1 \\ & (k15_euclid np_2) (k10_pscomp_1 X0) (k13_pscomp_1 X0)) = k1_tarSKI \\ & (k10_pscomp_1 X0)) \end{aligned}$$