

t10_sprect_3 (TMbdTD- nTG8mwUGgpjX6jbJY2SS7PBmGhV71)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $v2_sppol_1 : \iota \Rightarrow o$ be given. Let $k1_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_sppol_1 : \iota \Rightarrow o$ be given. Let $k9_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k17_euclid X0 = k17_euclid X1) \Leftrightarrow (v2_sppol_1 (k1_rltopsp1 (k15_euclid \\ & np_2) X0 X1)))) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k18_euclid X0 = k18_euclid X1) \Leftrightarrow (v1_sppol_1 (k1_rltopsp1 (k15_euclid \\ & np_2) X0 X1)))) \end{aligned} \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (\forall X2.(m1_subset_1 X2 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (((v2_sppol_1 (k1_rltopsp1 (k15_euclid np_2) X0 X1)) \wedge (v1_sppol_1 \\ & (k1_rltopsp1 (k15_euclid np_2) X1 X2))) \Rightarrow (k9_subset_1 (u1_struct_0 \\ & (k15_euclid np_2)) (k1_rltopsp1 (k15_euclid np_2) X0 X1) (k1_rltopsp1 \\ & (k15_euclid np_2) X1 X2) = k1_tarski X1)))) \end{aligned}$$