

l116_jordan (TM- NTF1ZNLKJ6D9mAoC8sH5qieq6VYaFE7DY)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_3 : \iota$ be given. Let $k1_sppol_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 & r1_tarski (k4_subset_1 (u1_struct_0 (k15_euclid np_2)) (k1_rltopsp1 \\
 & (k15_euclid np_2) (k19_euclid (k1_real_1 np_1) (k1_real_1 np_3)) \\
 & (k19_euclid (k1_real_1 np_1) np_3)) (k1_rltopsp1 (k15_euclid \\
 & np_2) (k19_euclid (k1_real_1 np_1) np_3) (k19_euclid np_1 \\
 & np_3))) (k1_sppol_2 (k1_real_1 np_1) np_1 (k1_real_1 np_3) \\
 & np_3)
 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
 & r1_tarski (k1_rltopsp1 (k15_euclid np_2) (k19_euclid (k1_real_1 \\
 & np_1) (k1_real_1 np_3)) (k19_euclid (k1_real_1 np_1) np_3)) \\
 & (k4_subset_1 (u1_struct_0 (k15_euclid np_2)) (k1_rltopsp1 (\\
 & k15_euclid np_2) (k19_euclid (k1_real_1 np_1) (k1_real_1 np_3)) \\
 & (k19_euclid (k1_real_1 np_1) np_3)) (k1_rltopsp1 (k15_euclid \\
 & np_2) (k19_euclid (k1_real_1 np_1) np_3) (k19_euclid np_1 \\
 & np_3)))
 \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{3}$$

Theorem 1

$$\begin{aligned}
 & r1_tarski (k1_rltopsp1 (k15_euclid np_2) (k19_euclid (k1_real_1 \\
 & np_1) (k1_real_1 np_3)) (k19_euclid (k1_real_1 np_1) np_3)) \\
 & (k1_sppol_2 (k1_real_1 np_1) np_1 (k1_real_1 np_3) np_3)
 \end{aligned}$$