

l186_jordan
(TMQN7Gj7rztj31d4aggqhKJCU8EXMGVdmd2)

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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 $r1_jordan24 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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 $k6_numbers : \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_pscomp_1 : \iota \Rightarrow \iota$ be given. Let $k8_pscomp_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$k17_euclid (k19_euclid k6_numbers (k1_real_1 np_3)) = k6_numbers \quad (1)$$

Assume the following.

$$k17_euclid (k19_euclid k6_numbers np_3) = k6_numbers \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((r1_jordan24 np_2 X0 (k19_euclid (k1_real_1 np_1) \\ k6_numbers) (k19_euclid np_1 k6_numbers)) \Rightarrow (k17_euclid (k19_euclid \\ k6_numbers np_3) = k10_real_1 (k7_real_1 (k6_pscomp_1 X0) (k8_pscomp_1 \\ X0)) np_2)) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2)))) \Rightarrow ((r1_jordan24 np_2 X0 (k19_euclid (k1_real_1 np_1) \\ k6_numbers) (k19_euclid np_1 k6_numbers)) \Rightarrow (k17_euclid (k19_euclid \\ k6_numbers (k1_real_1 np_3)) = k10_real_1 (k7_real_1 (k6_pscomp_1 \\ X0) (k8_pscomp_1 X0)) np_2)) \end{aligned}$$