

l112_jordan
(TMGf6UU9NJ4PU8zaSkCKyRKPCCKiqPLMeCXP)

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Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $np_3 : \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$k18_euclid (k19_euclid np_1 np_3) = np_3 \quad (1)$$

Assume the following.

$$k17_euclid (k19_euclid np_1 np_3) = np_1 \quad (2)$$

Theorem 1

$$k19_euclid np_1 np_3 = k19_euclid (k17_euclid (k19_euclid np_1 np_3)) (k18_euclid (k19_euclid np_1 np_3))$$