

l157\_jordan  
(TMRjXxVzFeRcNaGSfQsgjsgMTs5NLFyyE2D)

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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  $np\_1 : \iota$  be given. Let  $np\_3 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k1\_sppol\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_real\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X2)) \Rightarrow (r1\_tarski X0 X2) \quad (1)$$

Assume the following.

$$\begin{aligned} & r1\_tarski (k1\_rltopsp1 (k15\_euclid np\_2) (k19\_euclid np\_1 np\_3)) \\ & (k19\_euclid k6\_numbers np\_3) (k1\_rltopsp1 (k15\_euclid np\_2) \\ & (k19\_euclid (k1\_real\_1 np\_1) np\_3) (k19\_euclid np\_1 np\_3)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & r1\_tarski (k1\_rltopsp1 (k15\_euclid np\_2) (k19\_euclid (k1\_real\_1 \\ & np\_1) np\_3) (k19\_euclid np\_1 np\_3)) (k1\_sppol\_2 (k1\_real\_1 \\ & np\_1) np\_1 (k1\_real\_1 np\_3) np\_3) \end{aligned} \quad (3)$$

**Theorem 1**

$$\begin{aligned} & r1\_tarski (k1\_rltopsp1 (k15\_euclid np\_2) (k19\_euclid np\_1 np\_3)) \\ & (k19\_euclid k6\_numbers np\_3) (k1\_sppol\_2 (k1\_real\_1 np\_1) \\ & np\_1 (k1\_real\_1 np\_3) np\_3) \end{aligned}$$