

t10\_jordan1b (TMQDfg-  
DUGdmDa3ikWwNVaVPD5acXL8BD4JQ)

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Let  $v1_zfmisc.1 : \iota \Rightarrow o$  be given. Let  $m2\_finseq.1 : \iota \Rightarrow \iota \Rightarrow o$  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  $m1\_subset.1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_sprect.2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_finseq.6 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned}
 & \forall X0.(m2\_finseq.1 X0 (u1\_struct.0 (k15\_euclid np\_2))) \Rightarrow \\
 & (\forall X1.(m2\_finseq.1 X1 (u1\_struct.0 (k15\_euclid np\_2))) \Rightarrow \\
 & (\forall X2.(m1\_subset.1 X2 (u1\_struct.0 (k15\_euclid np\_2))) \Rightarrow \\
 & ((r1\_sprect.2 X1 X0) \Rightarrow (r1\_sprect.2 X1 (k1\_finseq.6 (u1\_struct.0 \\
 & (k15\_euclid np\_2)) X0 X2)))))) \tag{1}
 \end{aligned}$$

Assume the following.

$$\forall X0.((\neg v1_zfmisc.1 X0) \wedge (m2\_finseq.1 X0 (u1\_struct.0 (k15\_euclid np\_2)))) \Rightarrow (r1\_sprect.2 X0 X0) \tag{2}$$

**Theorem 1**

$$\begin{aligned}
 & \forall X0.((\neg v1_zfmisc.1 X0) \wedge (m2\_finseq.1 X0 (u1\_struct.0 (k15\_euclid np\_2)))) \Rightarrow (\forall X1.(m1\_subset.1 X1 (u1\_struct.0 \\
 & (k15\_euclid np\_2))) \Rightarrow (r1\_sprect.2 X0 (k1\_finseq.6 (u1\_struct.0 \\
 & (k15\_euclid np\_2)) X0 X1)))
 \end{aligned}$$