

14\_jordan5b (TMZkxepBXG-  
WWA4CjuqcGdYx9Up7TzPSNCGL)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k9\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 k1\_numbers) \Rightarrow (((r1\_xxreal\_0 k6\_numbers X0) \wedge (r1\_xxreal\_0 X0 np\_1)) \Rightarrow ((r1\_xxreal\_0 k6\_numbers (k9\_real\_1 np\_1 X0)) \wedge (r1\_xxreal\_0 (k9\_real\_1 np\_1 X0) np\_1))) \quad (2)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Leftrightarrow (X0 \in k1\_numbers) \quad (3)$$

**Theorem 1**

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (((r1\_xxreal\_0 k6\_numbers X0) \wedge (r1\_xxreal\_0 X0 np\_1)) \Rightarrow ((r1\_xxreal\_0 k6\_numbers (k9\_real\_1 np\_1 X0)) \wedge (r1\_xxreal\_0 (k9\_real\_1 np\_1 X0) np\_1)))$$