

t4_jordan5b (TMKU-
jXU54C2zBZzoEFHZ2yJebbBegTNmdUr)

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Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k17_borsuk_1 : \iota$ be given. Let $k9_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_topmetr : \iota$ 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.

$$k5_topmetr = k17_borsuk_1 \quad (2)$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 k1_numbers) \Rightarrow ((X0 \in u1_struct_0 k5_topmetr) \Rightarrow (k9_real_1 np_1 X0 \in u1_struct_0 k5_topmetr)) \quad (3)$$

Assume the following.

$$\forall X0. (v1_xreal_0 X0) \Leftrightarrow (X0 \in k1_numbers) \quad (4)$$

Theorem 1

$$\forall X0. (v1_xreal_0 X0) \Rightarrow ((X0 \in u1_struct_0 k17_borsuk_1) \Rightarrow (k9_real_1 np_1 X0 \in u1_struct_0 k17_borsuk_1))$$