

t56_jordan1g
(TMMg4M5KGJn8kVGEXKXyRjq6Txf6Sge3zyR)

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Let $v2_connsp_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v2_compts_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_sppol_1 : \iota \Rightarrow o$ be given. Let $v2_sppol_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k3_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_jordan1e : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_jordan6 : \iota \Rightarrow \iota$ be given. Let $k1_jordan9 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_jordan1e : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_jordan6 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v2_compts_1 X0 (k15_euclid np_2)) \wedge ((\neg v1_sppol_1 \\ & X0) \wedge ((\neg v2_sppol_1 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 \\ & (k15_euclid np_2)))))) \Rightarrow (\forall X1.(m1_subset_1 X1 k5_numbers) \Rightarrow \\ & (((k3_topreal1 np_2 (k1_jordan1e X0 X1) = k8_jordan6 (k3_topreal1 \\ & np_2 (k1_jordan9 X0 X1))) \wedge (k3_topreal1 np_2 (k2_jordan1e X0 \\ & X1) = k9_jordan6 (k3_topreal1 np_2 (k1_jordan9 X0 X1)))) \vee ((k3_topreal1 \\ & np_2 (k1_jordan1e X0 X1) = k9_jordan6 (k3_topreal1 np_2 (k1_jordan9 \\ & X0 X1))) \wedge (k3_topreal1 np_2 (k2_jordan1e X0 X1) = k8_jordan6 (k3_topreal1 \\ & np_2 (k1_jordan9 X0 X1)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v2_connsp_1 X0 (k15_euclid np_2)) \wedge ((v2_compts_1 \\ & X0 (k15_euclid np_2)) \wedge ((\neg v1_sppol_1 X0) \wedge ((\neg v2_sppol_1 X0) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2)))))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 k5_numbers) \Rightarrow ((\neg r1_xxreal_0 X1 k6_numbers) \Rightarrow \\ & (k3_topreal1 np_2 (k1_jordan1e X0 X1) = k8_jordan6 (k3_topreal1 \\ & np_2 (k1_jordan9 X0 X1)))))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v2_connsp_1 X0 (k15_euclid np_2)) \wedge ((v2_compts_1 \\ & X0 (k15_euclid np_2)) \wedge ((\neg v1_sppol_1 X0) \wedge ((\neg v2_sppol_1 X0) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid np_2))))))) \Rightarrow \\ & (\forall X1.(m1_subset_1 X1 k5_numbers) \Rightarrow ((\neg r1_xxreal_0 X1 k6_numbers) \Rightarrow \\ & (k3_topreal1 np_2 (k2_jordan1e X0 X1) = k9_jordan6 (k3_topreal1 \\ & np_2 (k1_jordan9 X0 X1)))))) \end{aligned}$$