

t13_jordan1g (TMFhZbRX- HdHKm5LFjMzGTFLKM6aZjLEKeEe)

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Let $v1_zfmisc.1 : \iota \Rightarrow o$ be given. Let $v1_topreal1 : \iota \Rightarrow o$ be given. Let $v2_topreal1 : \iota \Rightarrow o$ be given. Let $v2_goboard5 : \iota \Rightarrow o$ 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 $k7_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k18_pscomp.1 : \iota \Rightarrow \iota$ be given. Let $k3_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_finseq.1 : \iota \Rightarrow \iota$ be given. Let $k19_pscomp.1 : \iota \Rightarrow \iota$ be given. Let $r1_xreal.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $v2_xreal.0 : \iota \Rightarrow o$ be given. Let $m2_subset.1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xreal.0 : \iota \Rightarrow o$ be given. Let $m1_finseq.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v6_membered : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $v1_xreal.0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v1_zfmisc.1 X0) \wedge ((v1_topreal1 X0) \wedge ((v2_topreal1 \\ & X0) \wedge ((v2_goboard5 X0) \wedge (m2_finseq.1 X0 (u1_struct.0 (k15_euclid \\ & np_2)))))) \Rightarrow (\neg (((k7_partfun1 (u1_struct.0 (k15_euclid np_2)) \\ & X0 np_1 \neq k18_pscomp.1 (k3_topreal1 np_2 X0)) \wedge (k7_partfun1 (\\ & u1_struct.0 (k15_euclid np_2)) X0 (k3_finseq.1 X0) \neq k18_pscomp.1 \\ & (k3_topreal1 np_2 X0))) \vee ((k7_partfun1 (u1_struct.0 (k15_euclid \\ & np_2)) X0 np_1 \neq k19_pscomp.1 (k3_topreal1 np_2 X0)) \wedge (k7_partfun1 \\ & (u1_struct.0 (k15_euclid np_2)) X0 (k3_finseq.1 X0) \neq k19_pscomp.1 \\ & (k3_topreal1 np_2 X0)))) \wedge (r1_xreal.0 (k18_euclid (k19_pscomp.1 \\ & (k3_topreal1 np_2 X0))) (k18_euclid (k18_pscomp.1 (k3_topreal1 \\ & np_2 X0)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & ((v2_xreal.0 np_2) \wedge (m2_subset.1 np_2 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset.1 np_2 k5_numbers) \wedge (m1_subset.1 np_2 k1_numbers)) \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. ((v1_xreal.0 X0) \wedge (v1_xreal.0 X1)) \Rightarrow (r1_xreal.0 X0 X0) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(m2_finseq_1 X1 X0)\Leftrightarrow(m1_finseq_1 X1 X0) \quad (4)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (5)$$

Assume the following.

$$v6_membered k4_ordinal1 \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0.\forall X1.((v7_ordinal1 X0)\wedge(m1_finseq_1 X1 (u1_struct_0 \\ (k15_euclid X0))))\Rightarrow(m1_subset_1 (k3_topreal1 X0 X1) (k1_zfmisc_1 \\ (u1_struct_0 (k15_euclid X0)))) \quad (7) \end{aligned}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\ np_2))))\Rightarrow(m1_subset_1 (k18_pscomp_1 X0) (u1_struct_0 (k15_euclid \\ np_2))) \quad (8) \end{aligned}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2)))\Rightarrow \\ (m1_subset_1 (k18_euclid X0) k1_numbers) \quad (9) \end{aligned}$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0)\Rightarrow(v1_xxreal_0 X0) \quad (10)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers)\Rightarrow(v1_xreal_0 X0) \quad (11)$$

Assume the following.

$$\begin{aligned} \forall X0.(v6_membered X0)\Rightarrow(\forall X1.(m1_subset_1 X1 X0)\Rightarrow \\ (v7_ordinal1 X1)) \quad (12) \end{aligned}$$

Theorem 1

$$\begin{aligned} \forall X0.((\neg v1_zfmisc_1 X0)\wedge((v1_topreal1 X0)\wedge((v2_topreal1 \\ X0)\wedge((v2_goboard5 X0)\wedge(m2_finseq_1 X0 (u1_struct_0 (k15_euclid \\ np_2))))))\Rightarrow(\neg(((k7_partfun1 (u1_struct_0 (k15_euclid np_2)) \\ X0 np_1)\neq k18_pscomp_1 (k3_topreal1 np_2 X0))\wedge(k7_partfun1 (\\ u1_struct_0 (k15_euclid np_2)) X0 (k3_finseq_1 X0)\neq k18_pscomp_1 \\ (k3_topreal1 np_2 X0))\vee((k7_partfun1 (u1_struct_0 (k15_euclid \\ np_2)) X0 np_1)\neq k19_pscomp_1 (k3_topreal1 np_2 X0))\wedge(k7_partfun1 \\ (u1_struct_0 (k15_euclid np_2)) X0 (k3_finseq_1 X0)\neq k19_pscomp_1 \\ (k3_topreal1 np_2 X0))))\wedge(k18_pscomp_1 (k3_topreal1 np_2 X0) = \\ k19_pscomp_1 (k3_topreal1 np_2 X0))) \end{aligned}$$