

t38_gobrd14

(TMbtT4vBsUk5kTuHvAftRFKWEjQLL2z7Bi1)

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Let $v3_funct.1 : \iota \Rightarrow o$ be given. Let $v1_xboole.0 : \iota \Rightarrow o$ be given. Let $v1_finseq.6 : \iota \Rightarrow \iota \Rightarrow o$ 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 $v1_topreal1 : \iota \Rightarrow o$ be given. Let $v2_topreal1 : \iota \Rightarrow o$ be given. Let $v1_goboard5 : \iota \Rightarrow o$ be given. Let $v2_goboard5 : \iota \Rightarrow o$ be given. Let $v1_sprect.2 : \iota \Rightarrow o$ be given. Let $m2_finseq.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $r2_jordan2c : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_goboard9 : \iota \Rightarrow \iota$ 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 $r1_xxreal.0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v9_rltopsp1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_xxreal.0 : \iota \Rightarrow o$ be given. Let $m1_finseq.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v2_compts.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. ((\neg v3_funct.1 X0) \wedge ((\neg v1_xboole.0 X0) \wedge ((v1_finseq.6 \\ & X0 (u1_struct.0 (k15_euclid np_2))) \wedge ((v1_topreal1 X0) \wedge ((v2_topreal1 \\ & X0) \wedge ((v1_goboard5 X0) \wedge ((v2_goboard5 X0) \wedge ((v1_sprect.2 X0) \wedge \\ & (m2_finseq.1 X0 (u1_struct.0 (k15_euclid np_2)))))))))) \Rightarrow (\\ & r2_jordan2c np_2 (k3_topreal1 np_2 X0) (k2_goboard9 X0)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. (m2_subset.1 X0 k1_numbers k5_numbers) \Rightarrow ((r1_xxreal.0 \\ & np_2 X0) \Rightarrow (\forall X1. (m1_subset.1 X1 (k1_zfmisc.1 (u1_struct.0 \\ & (k15_euclid X0)))) \Rightarrow (\forall X2. (m1_subset.1 X2 (k1_zfmisc.1 \\ & (u1_struct.0 (k15_euclid X0)))) \Rightarrow (\forall X3. (m1_subset.1 X3 \\ & (k1_zfmisc.1 (u1_struct.0 (k15_euclid X0)))) \Rightarrow (((v9_rltopsp1 \\ & X3 (k15_euclid X0)) \wedge ((r2_jordan2c X0 X3 X1) \wedge (r2_jordan2c X0 X3 \\ & X2))) \Rightarrow (X1 = X2)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal.0 np_2) \wedge (m2_subset.1 np_2 k1_numbers k5_numbers)) \wedge \\ & ((m1_subset.1 np_2 k5_numbers) \wedge (m1_subset.1 np_2 k1_numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$r1_xxreal_0 \ np_2 \ np_2 \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(m2_finseq_1 \ X1 \ X0)\Leftrightarrow(m1_finseq_1 \ X1 \ X0) \tag{5}$$

Assume the following.

$$k5_numbers = k4_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.(m1_finseq_1 \ X0 \ (u1_struct_0 \ (k15_euclid \ np_2)))\Rightarrow \tag{7}$$

$$(v2_compts_1 \ (k3_topreal1 \ np_2 \ X0) \ (k15_euclid \ np_2))$$

Assume the following.

$$\forall X0.\forall X1.((v7_ordinal1 \ X0)\wedge(m1_finseq_1 \ X1 \ (u1_struct_0 \tag{8}$$

$$(k15_euclid \ X0))))\Rightarrow(m1_subset_1 \ (k3_topreal1 \ X0 \ X1) \ (k1_zfmisc_1 \ (u1_struct_0 \ (k15_euclid \ X0))))$$

Assume the following.

$$\forall X0.((\neg v1_xboole_0 \ X0)\wedge((\neg v3_funct_1 \ X0)\wedge((v1_finseq_6 \ tag{9}$$

$$X0 \ (u1_struct_0 \ (k15_euclid \ np_2)))\wedge((v1_topreal1 \ X0)\wedge((v2_topreal1 \ X0)\wedge((v1_goboard5 \ X0)\wedge((v2_goboard5 \ X0)\wedge(m1_finseq_1 \ X0 \ (u1_struct_0 \ (k15_euclid \ np_2))))))))))\Rightarrow(m1_subset_1 \ (k2_goboard9 \ X0) \ (k1_zfmisc_1 \ (u1_struct_0 \ (k15_euclid \ np_2))))$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k4_ordinal1)\Rightarrow(v7_ordinal1 \ X0) \tag{10}$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ k5_numbers)\Rightarrow(\forall X1.(m1_subset_1 \ tag{11}$$

$$X1 \ (k1_zfmisc_1 \ (u1_struct_0 \ (k15_euclid \ X0))))\Rightarrow((v2_compts_1 \ X1 \ (k15_euclid \ X0))\Rightarrow(v9_rltopsp1 \ X1 \ (k15_euclid \ X0)))$$

Theorem 1

$$\forall X0.((\neg v3_funct_1 \ X0)\wedge((\neg v1_xboole_0 \ X0)\wedge((v1_finseq_6 \ tag{11}$$

$$X0 \ (u1_struct_0 \ (k15_euclid \ np_2)))\wedge((v1_topreal1 \ X0)\wedge((v2_topreal1 \ X0)\wedge((v1_goboard5 \ X0)\wedge((v2_goboard5 \ X0)\wedge((v1_sprect_2 \ X0)\wedge(m2_finseq_1 \ X0 \ (u1_struct_0 \ (k15_euclid \ np_2))))))))))\Rightarrow(\forall X1.(m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (u1_struct_0 \ (k15_euclid \ np_2))))\Rightarrow((r2_jordan2c \ np_2 \ (k3_topreal1 \ np_2 \ X0) \ X1)\Rightarrow(X1 = k2_goboard9 \ X0)))$$