t1_jordan1j (TMTwA3Zc9ogRkSnj2KooeXv4mEgJdEwLsCo)

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Let $v3\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_matrix\_1 : \iota \Rightarrow o$ be given. Let $v2\_goboard1 : \iota \Rightarrow o$ be given. Let $v3\_goboard1 : \iota \Rightarrow o$ be given. Let $v4\_goboard1 : \iota \Rightarrow o$ be given. Let $v5\_goboard1 : \iota \Rightarrow o$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_finseq\_2 : \iota \Rightarrow \iota$ 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 $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $k1\_matrix\_1 : \iota \Rightarrow \iota$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k17\_euclid : \iota \Rightarrow \iota$ be given. Let $k3\_matrix\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $v2\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v6\_membered : \iota \Rightarrow o$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k5\_numbers) \Rightarrow (\forall X3.((v1\_matrix\_1\ X3) \wedge (m2\_finseq\_1\ X3\ (k3\_finseq\_2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))) \Rightarrow (\neg(v5\_goboard1\ X3) \wedge ((r1\_xxreal\_0\ np\_\_1\ X0) \wedge ((r1\_xxreal\_0\ X0\ (k1\_matrix\_1\ X3)) \wedge ((r1\_xxreal\_0\ np\_\_1\ X1) \wedge ((\neg r1\_xxreal\_0\ X2\ X1) \wedge ((r1\_xxreal\_0\ X2\ (k3\_finseq\_1\ X3)) \wedge (r1\_xxreal\_0\ (k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X3\ X2\ X0))\ (k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X3\ X1\ X0)))))))))))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\forall X2.(v1\_xxreal\_0\ X2) \Rightarrow (((r1\_xxreal\_0\ X0\ X1) \wedge (r1\_xxreal\_0\ X1\ X2)) \Rightarrow (r1\_xxreal\_0\ X0\ X2)))) \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ k5\_numbers)\Rightarrow(\forall X2.((v1\_matrix\_1\ X2)\wedge(m2\_finseq\_1\ X2\ (k3\_finseq\_2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))))\Rightarrow(((v2\_goboard1\ X2)\wedge((r1\_xxreal\_0\ np\_\_1\ X0)\wedge((r1\_xxreal\_0\ X0\ (k1\_matrix\_1\ X2))\wedge((r1\_xxreal\_0\ np\_\_1\ X1)\wedge(r1\_xxreal\_0\ X1\ (k3\_finseq\_1\ X2))))))\Rightarrow(k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X2\ X1\ X0) = k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X2\ X1\ np\_\_1)))))) \tag{3}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1)\wedge(m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers))\wedge((m1\_subset\_1\ np\_\_1\ k5\_numbers)\wedge(m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{4}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{5}$$

Assume the following.

$$v6\_membered\ k4\_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xxreal\_0\ X0)\wedge(v1\_xxreal\_0\ X1))\Rightarrow((r1\_xxreal\_0\ X0\ X1)\vee(r1\_xxreal\_0\ X1\ X0)) \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0)\Rightarrow(v1\_xxreal\_0\ X0) \tag{8}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0)\Rightarrow(v1\_xxreal\_0\ X0) \tag{9}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xreal\_0\ X0) \tag{10}$$

Assume the following.

$$\forall X0.(v6\_membered\ X0)\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ X0)\Rightarrow(v7\_ordinal1\ X1)) \tag{11}$$

Theorem 1

$$\forall X0.((\neg v3\_relat\_1\ X0)\wedge((v1\_matrix\_1\ X0)\wedge((v2\_goboard1\ X0)\wedge((v3\_goboard1\ X0)\wedge((v4\_goboard1\ X0)\wedge((v5\_goboard1\ X0)\wedge(m2\_finseq\_1\ X0\ (k3\_finseq\_2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))))))))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ k5\_numbers)\Rightarrow(\forall X2.(m1\_subset\_1\ X2\ k5\_numbers)\Rightarrow(\forall X3.(m1\_subset\_1\ X3\ k5\_numbers)\Rightarrow(\forall X4.(m1\_subset\_1\ X4\ k5\_numbers)\Rightarrow(\neg(r1\_xxreal\_0\ np\_\_1\ X3)\wedge((r1\_xxreal\_0\ X3\ (k1\_matrix\_1\ X0))\wedge((r1\_xxreal\_0\ np\_\_1\ X4)\wedge((r1\_xxreal\_0\ X4\ (k1\_matrix\_1\ X0))\wedge((r1\_xxreal\_0\ np\_\_1\ X1)\wedge((\neg r1\_xxreal\_0\ X2\ X1)\wedge((r1\_xxreal\_0\ X2\ (k3\_finseq\_1\ X0))\wedge(r1\_xxreal\_0\ (k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X0\ X2\ X4))\ (k17\_euclid\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ X0\ X1\ X3))))))))))))))$$