t60_jordan1j (TMKU1JN2SfXAkEAZV9XZmTcrqKDKgmwQrBp)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v1\_topreal2 : \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ 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 $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_jordan8 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_matrix\_1 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k9\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_matrix\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8\_jordan6 : \iota \Rightarrow \iota$ be given. Let $k3\_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_jordan9 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k9\_jordan6 : \iota \Rightarrow \iota$ be given. Let $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_jordan1e : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_jordan1e : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2\_connsp\_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.((v1\_topreal2\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ k5\_numbers) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ k5\_numbers) \Rightarrow (\forall X4.(m1\_subset\_1\ X4\ k5\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X2\ np\_\_1) \wedge ((\neg r1\_xxreal\_0\ (k3\_finseq\_1\ (k1\_jordan8\ X1\ X0))\ X2) \wedge ((r1\_xxreal\_0\ np\_\_1\ X3) \wedge ((r1\_xxreal\_0\ X3\ X4) \wedge ((r1\_xxreal\_0\ X4\ (k1\_matrix\_1\ (k1\_jordan8\ X1\ X0))) \wedge ((k9\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k3\_topreal1\ np\_\_2\ (k1\_jordan1e\ X1\ X0)) = k1\_tarski\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4)) \wedge ((k9\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k3\_topreal1\ np\_\_2\ (k2\_jordan1e\ X1\ X0)) = k1\_tarski\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)) \wedge (r1\_xboole\_0\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k9\_jordan6\ X1)))))))))))))) \tag{1}$$

Assume the following.

$$\forall X0.((v2\_connsp\_1\ X0\ (k15\_euclid\ np\_\_2)) \wedge ((v2\_compts\_1\ X0\ (k15\_euclid\ np\_\_2)) \wedge ((\neg v1\_sppol\_1\ X0) \wedge ((\neg v2\_sppol\_1\ X0) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ k6\_numbers) \Rightarrow (k3\_topreal1\ np\_\_2\ (k2\_jordan1e\ X0\ X1) = k9\_jordan6\ (k3\_topreal1\ np\_\_2\ (k1\_jordan9\ X0\ X1))))) \tag{2}$$

Assume the following.

$$\forall X0.((v2\_connsp\_1\ X0\ (k15\_euclid\ np\_\_2)) \wedge ((v2\_compts\_1\ X0\ (k15\_euclid\ np\_\_2)) \wedge ((\neg v1\_sppol\_1\ X0) \wedge ((\neg v2\_sppol\_1\ X0) \wedge (m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))))))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ k6\_numbers) \Rightarrow (k3\_topreal1\ np\_\_2\ (k1\_jordan1e\ X0\ X1) = k8\_jordan6\ (k3\_topreal1\ np\_\_2\ (k1\_jordan9\ X0\ X1))))) \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))) \Rightarrow ((v1\_topreal2\ X0) \Rightarrow (v2\_connsp\_1\ X0\ (k15\_euclid\ np\_\_2))) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\Rightarrow((v1\_topreal2\ X0)\Rightarrow((v1\_topreal2\ X0)\wedge((\neg v1\_sppol\_1\ X0)\wedge(\neg v2\_sppol\_1\ X0)))) \tag{5}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\Rightarrow((v1\_topreal2\ X0)\Rightarrow((\neg v1\_xboole\_0\ X0)\wedge(v2\_compts\_1\ X0\ (k15\_euclid\ np\_\_2)))) \tag{6}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers)\Rightarrow(\forall X1.((v1\_topreal2\ X1)\wedge(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))))\Rightarrow(\forall X2.(m1\_subset\_1\ X2\ k5\_numbers)\Rightarrow(\forall X3.(m1\_subset\_1\ X3\ k5\_numbers)\Rightarrow(\forall X4.(m1\_subset\_1\ X4\ k5\_numbers)\Rightarrow(\neg(\neg r1\_xxreal\_0\ X2\ np\_\_1)\wedge((\neg r1\_xxreal\_0\ (k3\_finseq\_1\ (k1\_jordan8\ X1\ X0))\ X2)\wedge((r1\_xxreal\_0\ np\_\_1\ X3)\wedge((r1\_xxreal\_0\ X3\ X4)\wedge((r1\_xxreal\_0\ X4\ (k1\_matrix\_1\ (k1\_jordan8\ X1\ X0)))\wedge((\neg r1\_xxreal\_0\ X0\ k6\_numbers)\wedge((k9\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k8\_jordan6\ (k3\_topreal1\ np\_\_2\ (k1\_jordan9\ X1\ X0)))=k1\_tarski\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\wedge((k9\_subset\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k9\_jordan6\ (k3\_topreal1\ np\_\_2\ (k1\_jordan9\ X1\ X0)))=k1\_tarski\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3))\wedge(r1\_xboole\_0\ (k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X3)\ (k3\_matrix\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan8\ X1\ X0)\ X2\ X4))\ (k9\_jordan6\ X1)))))))))))))))$$