t6_jordan1a (TMbUAci7aizi7rndVAXzhoHZQD2nkz92uq2)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ 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 $k15\_euclid : \iota \Rightarrow \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k14\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $k17\_euclid : \iota \Rightarrow \iota$ be given. Let $k6\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k19\_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k18\_euclid : \iota \Rightarrow \iota$ be given. Let $k18\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_compts\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k19\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $k10\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $k11\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $k7\_pscomp\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow ((k17\_euclid\ (k19\_euclid\ X0\ X1) = X0) \wedge (k18\_euclid\ (k19\_euclid\ X0\ X1) = X1))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.((\neg v1\_xboole\_0\ X1) \wedge (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))) \Rightarrow ((X0 \in k14\_pscomp\_1\ X1) \Rightarrow ((k17\_euclid\ X0 = k17\_euclid\ (k18\_pscomp\_1\ X1)) \wedge ((v2\_compts\_1\ X1\ (k15\_euclid\ np\_\_2)) \Rightarrow ((r1\_xxreal\_0\ (k18\_euclid\ (k18\_pscomp\_1\ X1))\ (k18\_euclid\ X0)) \wedge (r1\_xxreal\_0\ (k18\_euclid\ X0)\ (k18\_euclid\ (k19\_pscomp\_1\ X1)))))))) \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))) \Rightarrow ((k17\_euclid\ (k10\_pscomp\_1\ X0) = k17\_euclid\ (k18\_pscomp\_1\ X0)) \wedge ((k17\_euclid\ (k10\_pscomp\_1\ X0) = k17\_euclid\ (k19\_pscomp\_1\ X0)) \wedge ((k17\_euclid\ (k18\_pscomp\_1\ X0) = k17\_euclid\ (k19\_pscomp\_1\ X0)) \wedge ((k17\_euclid\ (k18\_pscomp\_1\ X0) = k17\_euclid\ (k11\_pscomp\_1\ X0)) \wedge (k17\_euclid\ (k19\_pscomp\_1\ X0) = k17\_euclid\ (k11\_pscomp\_1\ X0)))))) \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\Rightarrow(m1\_subset\_1\ (k7\_pscomp\_1\ X0)\ k1\_numbers) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\Rightarrow(m1\_subset\_1\ (k6\_pscomp\_1\ X0)\ k1\_numbers) \tag{5}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))))\Rightarrow(k11\_pscomp\_1\ X0 = k19\_euclid\ (k6\_pscomp\_1\ X0)\ (k7\_pscomp\_1\ X0)) \tag{6}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers)\Rightarrow(v1\_xreal\_0\ X0) \tag{7}$$

Theorem 1

$$\forall X0.((\neg v1\_xboole\_0\ X0)\wedge(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2)))\Rightarrow((X1 \in k14\_pscomp\_1\ X0)\Rightarrow(k17\_euclid\ X1 = k6\_pscomp\_1\ X0)))$$