t2_jordan3 (TMd3rFCB7xnM1azsftcDyqu3SNnHNcfsUvD)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $k17\_euclid : \iota \Rightarrow \iota$ be given. Let $k18\_euclid : \iota \Rightarrow \iota$ be given. Let $k1\_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (((X0 \in k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ X1\ X2) \wedge (k18\_euclid\ X1 = k18\_euclid\ X2)) \Rightarrow (k18\_euclid\ X0 = k18\_euclid\ X2))))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (((X0 \in k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ X1\ X2) \wedge (k17\_euclid\ X1 = k17\_euclid\ X2)) \Rightarrow (k17\_euclid\ X0 = k17\_euclid\ X2))))) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (\neg((k17\_euclid\ X0 = k17\_euclid\ X1) \vee (k18\_euclid\ X0 = k18\_euclid\ X1)) \wedge ((X2 \in k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ X0\ X1) \wedge ((X3 \in k1\_rltopsp1\ (k15\_euclid\ np\_\_2)\ X0\ X1) \wedge ((k17\_euclid\ X2 \neq k17\_euclid\ X3) \wedge (k18\_euclid\ X2 \neq k18\_euclid\ X3)))))))))$$