l55_borsuk_7 (TMcSpDjfDP5JpAk9UGFtjRvu43mSFeVJBTJ)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8\_borsuk\_7 : \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k15\_euclid : \iota \Rightarrow \iota$ be given. Let $np\_\_3 : \iota$ be given. Let $k6\_euclid\_5 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $v2\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ 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 $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k5\_euclid\_5 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_euclid\_5 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \Rightarrow ((k6\_euclid\_5\ X0\ X0\ X1 = k6\_numbers) \wedge (k6\_euclid\_5\ X1\ X0\ X1 = k6\_numbers))) \tag{1}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_1) \wedge (m2\_subset\_1\ np\_\_1\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_1\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_1\ k1\_numbers)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \wedge ((m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \wedge (m1\_subset\_1\ X2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))))) \Rightarrow (v1\_xreal\_0\ (k6\_euclid\_5\ X0\ X1\ X2)) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \wedge (m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3)))) \Rightarrow (m1\_subset\_1\ (k5\_euclid\_5\ X0\ X1)\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_xreal\_0\ X0) \wedge ((v1\_xreal\_0\ X1) \wedge (v1\_xreal\_0\ X2))) \Rightarrow (m1\_subset\_1\ (k4\_euclid\_5\ X0\ X1\ X2)\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))) \tag{5}$$

Assume the following.

$$k8\_borsuk\_7 = k4\_euclid\_5\ np\_\_1\ k6\_numbers\ k6\_numbers \tag{6}$$

Assume the following.

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

Theorem 1 $m1\_subset\_1\ k8\_borsuk\_7\ (u1\_struct\_0\ (k15\_euclid\ np\_\_3))$.