t55_borsuk_7 (TMMKGdLvF1cw6yR7qW2jU9kQ8Cspt1q5XCt)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ 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 $k3\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_jordan24 : \iota \Rightarrow \iota$ be given. Let $k4\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k12\_euclid : \iota \Rightarrow \iota$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $v2\_xxreal\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow (k12\_euclid\ (k3\_funct\_2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan24\ X0)\ X1) = k12\_euclid\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k1\_numbers\ k5\_numbers) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ X0))) \Rightarrow ((k12\_euclid\ X1 = k6\_numbers) \Rightarrow (X1 = k4\_struct\_0\ (k15\_euclid\ X0)))) \tag{2}$$

Assume the following.

$$\forall X0.(m2\_subset\_1\ X0\ k1\_numbers\ k5\_numbers) \Rightarrow (k12\_euclid\ (k4\_struct\_0\ (k15\_euclid\ X0)) = k6\_numbers) \tag{3}$$

Assume the following.

$$((v2\_xxreal\_0\ np\_\_2) \wedge (m2\_subset\_1\ np\_\_2\ k1\_numbers\ k5\_numbers)) \wedge ((m1\_subset\_1\ np\_\_2\ k5\_numbers) \wedge (m1\_subset\_1\ np\_\_2\ k1\_numbers)) \tag{4}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))) \Rightarrow ((k3\_funct\_2\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (u1\_struct\_0\ (k15\_euclid\ np\_\_2))\ (k1\_jordan24\ X0)\ X1 = k4\_struct\_0\ (k15\_euclid\ np\_\_2)) \Rightarrow (X1 = k4\_struct\_0\ (k15\_euclid\ np\_\_2))))$$