

t44_borsuk_7 (TMZUdxYavtVve- qAAHXmKXU2r8qbXnYwTcvM)

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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 $k1_euclid_3 : \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k12_euclid : \iota \Rightarrow \iota$ be given. Let $k21_sin_cos : \iota \Rightarrow \iota$ be given. Let $k3_euclid_3 : \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k18_sin_cos : \iota \Rightarrow \iota$ be given. Let $k7_complex1 : \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k2_euclid_3 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & ((k17_euclid X0 = k8_real_1 (k12_euclid X0) (k21_sin_cos (k3_euclid_3 \\ & X0))) \wedge (k18_euclid X0 = k8_real_1 (k12_euclid X0) (k18_sin_cos \\ & (k3_euclid_3 X0)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (k1_euclid_3 (k2_euclid_3 X0) = X0) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (k2_euclid_3 X0 = k2_xcmplx_0 (k17_euclid X0) (k3_xcmplx_0 (k18_euclid \\ & X0) k7_complex1)) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ & (X0 = k1_euclid_3 (k2_xcmplx_0 (k8_real_1 (k12_euclid X0) (k21_sin_cos \\ & (k3_euclid_3 X0))) (k3_xcmplx_0 (k8_real_1 (k12_euclid X0) (k18_sin_cos \\ & (k3_euclid_3 X0))) k7_complex1)) \end{aligned}$$