

t19\_borsuk\_7

(TMJM7jtpMVcGjHJUAWQauRiYFMPonnwCv1G)

October 27, 2020

Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_finseq\_1 : \iota \Rightarrow o$  be given. Let  $v1\_valued\_0 : \iota \Rightarrow o$  be given. Let  $k39\_valued\_1 : \iota \Rightarrow \iota$  be given. Let  $k14\_valued\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_square\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.((v1\_relat\_1 X1) \wedge (( \\ v1\_funct\_1 X1) \wedge (v1\_valued\_0 X1))) \Rightarrow (k39\_valued\_1 (k14\_valued\_2 \\ X1 X0) = k14\_valued\_2 (k39\_valued\_1 X1) (k3\_square\_1 X0))) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} \forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.((v1\_relat\_1 X1) \wedge (( \\ v1\_funct\_1 X1) \wedge ((v1\_finseq\_1 X1) \wedge (v1\_valued\_0 X1)))) \Rightarrow (k39\_valued\_1 \\ (k14\_valued\_2 X1 X0) = k14\_valued\_2 (k39\_valued\_1 X1) (k3\_square\_1 \\ X0))) \end{aligned}$$