

t58\_quaterni  
(TMc1V6zUeeY7jQFuer316csPya8u6wc6eEX)

October 27, 2020

Let  $v1\_quaterni : \iota \Rightarrow o$  be given. Let  $k18\_quaterni : \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k19\_quaterni : \iota \Rightarrow \iota$  be given. Let  $k20\_quaterni : \iota \Rightarrow \iota$  be given. Let  $k31\_quaterni : \iota \Rightarrow \iota$  be given. Let  $k6\_quaterni : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k17\_quaterni : \iota \Rightarrow \iota$  be given. Let  $k1\_real\_1 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_quaterni X0) \Rightarrow (k31\_quaterni X0 = k6\_quaterni (k17\_quaterni X0) (k1\_real\_1 (k18\_quaterni X0)) (k1\_real\_1 (k19\_quaterni X0)) (k1\_real\_1 (k20\_quaterni X0))) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_quaterni X0) \Rightarrow (X0 = k6\_quaterni (k17\_quaterni X0) (k18\_quaterni X0) (k19\_quaterni X0) (k20\_quaterni X0)) \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (k1\_real\_1 X0 = k4\_xcmplx\_0 X0) \quad (3)$$

Assume the following.

$$k4\_xcmplx\_0 k6\_numbers = k6\_numbers \quad (4)$$

Assume the following.

$$\forall X0.(v1\_quaterni X0) \Rightarrow (m1\_subset\_1 (k18\_quaterni X0) k1\_numbers) \quad (5)$$

**Theorem 1**

$$\forall X0.(v1\_quaterni X0) \Rightarrow (((k18\_quaterni X0 = k6\_numbers) \wedge ((k19\_quaterni X0 = k6\_numbers) \wedge (k20\_quaterni X0 = k6\_numbers))) \Rightarrow (k31\_quaterni X0 = X0))$$