t50_quaterni (TMdKcrakhP1hbymzMEQQRNT2FCyhZtJG5UW)

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Let $k17\_quaterni : \iota \Rightarrow \iota$ be given. Let $k31\_quaterni : \iota \Rightarrow \iota$ be given. Let $k12\_quaterni : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k18\_quaterni : \iota \Rightarrow \iota$ be given. Let $k19\_quaterni : \iota \Rightarrow \iota$ be given. Let $k20\_quaterni : \iota \Rightarrow \iota$ be given. Let $k1\_real\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v1\_quaterni : \iota \Rightarrow o$ be given. Let $k11\_quaterni : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_quaterni : \iota$ be given. Assume the following.

$$\forall X0.(v1\_quaterni\ X0) \Rightarrow ((k17\_quaterni\ (k31\_quaterni\ X0) = k17\_quaterni\ X0) \wedge ((k18\_quaterni\ (k31\_quaterni\ X0) = k1\_real\_1\ (k18\_quaterni\ X0)) \wedge ((k19\_quaterni\ (k31\_quaterni\ X0) = k1\_real\_1\ (k19\_quaterni\ X0)) \wedge (k20\_quaterni\ (k31\_quaterni\ X0) = k1\_real\_1\ (k20\_quaterni\ X0))))) \tag{1}$$

Assume the following.

$$(k17\_quaterni\ k11\_quaterni = k6\_numbers) \wedge ((k18\_quaterni\ k11\_quaterni = k6\_numbers) \wedge ((k19\_quaterni\ k11\_quaterni = np\_\_1) \wedge ((k20\_quaterni\ k11\_quaterni = k6\_numbers) \wedge ((k17\_quaterni\ k12\_quaterni = k6\_numbers) \wedge ((k18\_quaterni\ k12\_quaterni = k6\_numbers) \wedge ((k19\_quaterni\ k12\_quaterni = k6\_numbers) \wedge (k20\_quaterni\ k12\_quaterni = np\_\_1))))))) \tag{2}$$

Assume the following.

$$k6\_numbers = k1\_real\_1\ k6\_numbers \tag{3}$$

Assume the following.

$$m1\_subset\_1\ k12\_quaterni\ k1\_quaterni \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_quaterni) \Rightarrow (v1\_quaterni\ X0) \tag{5}$$

Theorem 1

$$(k17\_quaterni\ (k31\_quaterni\ k12\_quaterni) = k6\_numbers) \wedge ((k18\_quaterni\ (k31\_quaterni\ k12\_quaterni) = k6\_numbers) \wedge ((k19\_quaterni\ (k31\_quaterni\ k12\_quaterni) = k6\_numbers) \wedge (k20\_quaterni\ (k31\_quaterni\ k12\_quaterni) = k1\_real\_1\ np\_\_1)))$$