t25_quaterni (TMF6zQfqDKKYs7zLjSMuWQAbmah73gEcZ7U)

October 27, 2020

Let $v1\_quaterni : \iota \Rightarrow o$ be given. Let $k17\_quaterni : \iota \Rightarrow \iota$ 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 $k6\_quaterni : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_quaterni\ X0) \Rightarrow (X0 = k6\_quaterni\ (k17\_quaterni\ X0)\ (k18\_quaterni\ X0)\ (k19\_quaterni\ X0)\ (k20\_quaterni\ X0)) \tag{1}$$

Theorem 1

$$\forall X0.(v1\_quaterni\ X0) \Rightarrow (\forall X1.(v1\_quaterni\ X1) \Rightarrow (((k17\_quaterni\ X0 = k17\_quaterni\ X1) \wedge ((k18\_quaterni\ X0 = k18\_quaterni\ X1) \wedge ((k19\_quaterni\ X0 = k19\_quaterni\ X1) \wedge (k20\_quaterni\ X0 = k20\_quaterni\ X1)))) \Rightarrow (X0 = X1)))$$