

t90\_quaterni  
(TMV9svEbZYySVuZNPT7jWrmTmezNS7BA4JL)

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Let  $v1\_quaterni : \iota \Rightarrow o$  be given. Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k17\_quaterni : \iota \Rightarrow \iota$  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  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (v1\_quaterni X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 k1\_numbers) \Rightarrow \\ ((X0 = X1) \Rightarrow ((k17\_quaterni X0 = X1) \wedge ((k18\_quaterni X0 = k6\_numbers) \wedge \\ ((k19\_quaterni X0 = k6\_numbers) \wedge (k20\_quaterni X0 = k6\_numbers)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Leftrightarrow (X0 \in k1\_numbers) \quad (3)$$

**Theorem 1**

$$\begin{aligned} \forall X0. (v1\_quaterni X0) \Rightarrow ((v1\_xreal\_0 X0) \Rightarrow ((k17\_quaterni \\ X0 = X0) \wedge ((k18\_quaterni X0 = k6\_numbers) \wedge ((k19\_quaterni X0 = k6\_numbers) \wedge \\ (k20\_quaterni X0 = k6\_numbers)))))) \end{aligned}$$