

# t39\_quatern2 (TMM- pcY5jFTuKN44RjcJmkkU7zKYMcozceQE)

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Let  $k4\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k16\_quatern2 : \iota$  be given. Let  $k1\_quatern2 : \iota$  be given. Let  $v36\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $l6\_algstr\_0 : \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_quatern1 : \iota$  be given. Let  $u1\_algstr\_0 : \iota \Rightarrow \iota$  be given. Let  $k10\_quatern2 : \iota$  be given. Let  $u2\_algstr\_0 : \iota \Rightarrow \iota$  be given. Let  $k12\_quatern2 : \iota$  be given. Let  $k5\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_quatern2 : \iota$  be given. Assume the following.

$$(v36\_algstr\_0 \ k16\_quatern2) \wedge (l6\_algstr\_0 \ k16\_quatern2) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. & ((v36\_algstr\_0 \ X0) \wedge (l6\_algstr\_0 \ X0)) \Rightarrow ((X0 = k16\_quatern2) \Leftrightarrow \\ & ((u1\_struct\_0 \ X0 = k1\_quatern1) \wedge ((u1\_algstr\_0 \ X0 = k10\_quatern2) \wedge \\ & ((u2\_algstr\_0 \ X0 = k12\_quatern2) \wedge ((k5\_struct\_0 \ X0 = k2\_quatern2) \wedge \\ & (k4\_struct\_0 \ X0 = k1\_quatern2)))))) \end{aligned} \quad (2)$$

**Theorem 1**  $k4\_struct\_0 \ k16\_quatern2 = k1\_quatern2$ .