

t45\_quatern2  
(TMVsu7AK4u6qqFT4ADLDMT7tMW8x5ZqDnXs)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k16\_quatern2 : \iota$  be given. Let  $k3\_quatern2 : \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k4\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_quatern2 : \iota$  be given. Let  $k21\_quaterni : \iota$  be given. Let  $v1\_quaterni : \iota \Rightarrow o$  be given. Assume the following.

$$k4\_struct\_0 \ k16\_quatern2 = k1\_quatern2 \tag{1}$$

Assume the following.

$$k1\_quatern2 = k21\_quaterni \tag{2}$$

Assume the following.

$$\forall X0.(v1\_quaterni \ X0) \Rightarrow ((k3\_quatern2 \ X0 = k6\_numbers) \Rightarrow (X0 = k6\_numbers)) \tag{3}$$

Assume the following.

$$k21\_quaterni = k6\_numbers \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1 \ X0 \ (u1\_struct\_0 \ k16\_quatern2)) \Rightarrow (v1\_quaterni \ X0) \tag{5}$$

**Theorem 1**

$$\forall X0.(m1\_subset\_1 \ X0 \ (u1\_struct\_0 \ k16\_quatern2)) \Rightarrow ((k3\_quatern2 \ X0 = k6\_numbers) \Rightarrow (X0 = k4\_struct\_0 \ k16\_quatern2))$$