

t65_quaterni (TMcNS- GrE59VwRpwLnMhzyPgFq5NRa6snVN7)

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Let $k32_quaterni : \iota \Rightarrow \iota$ be given. Let $k21_quaterni : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_quaterni : \iota \Rightarrow o$ be given. Let $k7_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_square_1 : \iota \Rightarrow \iota$ 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 $k7_square_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_quaterni X0) \Rightarrow ((X0 = k6_numbers) \Rightarrow (k7_real_1 (k7_real_1 \\ (k7_real_1 (k5_square_1 (k17_quaterni X0)) (k5_square_1 (k18_quaterni \\ X0))) (k5_square_1 (k19_quaterni X0))) (k5_square_1 (k20_quaterni \\ X0))) = k6_numbers) \end{aligned} \tag{1}$$

Assume the following.

$$k7_square_1 k6_numbers = k6_numbers \tag{2}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{3}$$

Assume the following.

$$v1_quaterni k21_quaterni \tag{4}$$

Assume the following.

$$\begin{aligned} \forall X0.(v1_quaterni X0) \Rightarrow (k32_quaterni X0 = k7_square_1 (k7_real_1 \\ (k7_real_1 (k7_real_1 (k5_square_1 (k17_quaterni X0)) (k5_square_1 \\ (k18_quaterni X0))) (k5_square_1 (k19_quaterni X0))) (k5_square_1 \\ (k20_quaterni X0)))) \end{aligned} \tag{5}$$

Assume the following.

$$k21_quaterni = k6_numbers \tag{6}$$

Theorem 1 $k32_quaterni k21_quaterni = k6_numbers$.