

t49_quaterni
(TMM6CCDmZT6EURAfBWhvZosbM9v86ayWeT7)

October 27, 2020

Let $k17_quaterni : \iota \Rightarrow \iota$ be given. Let $k31_quaterni : \iota \Rightarrow \iota$ be given. Let $k11_quaterni : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k18_quaterni : \iota \Rightarrow \iota$ be given. Let $k19_quaterni : \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k20_quaterni : \iota \Rightarrow \iota$ be given. Let $v1_quaterni : \iota \Rightarrow o$ be given. Let $k12_quaterni : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_quaterni : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_quaterni X0) \Rightarrow ((k17_quaterni (k31_quaterni X0) = \\ k17_quaterni X0) \wedge ((k18_quaterni (k31_quaterni X0) = k1_real_1 \\ (k18_quaterni X0)) \wedge ((k19_quaterni (k31_quaterni X0) = k1_real_1 \\ (k19_quaterni X0)) \wedge (k20_quaterni (k31_quaterni X0) = k1_real_1 \\ (k20_quaterni X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} (k17_quaterni k11_quaterni = k6_numbers) \wedge ((k18_quaterni k11_quaterni = \\ k6_numbers) \wedge ((k19_quaterni k11_quaterni = np_1) \wedge ((k20_quaterni \\ k11_quaterni = k6_numbers) \wedge ((k17_quaterni k12_quaterni = k6_numbers) \wedge \\ ((k18_quaterni k12_quaterni = k6_numbers) \wedge ((k19_quaterni k12_quaterni = \\ k6_numbers) \wedge (k20_quaterni k12_quaterni = np_1))))))) \end{aligned} \quad (2)$$

Assume the following.

$$k6_numbers = k1_real_1 k6_numbers \quad (3)$$

Assume the following.

$$m1_subset_1 k11_quaterni k1_quaterni \quad (4)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_quaterni) \Rightarrow (v1_quaterni X0) \quad (5)$$

Theorem 1

$$\begin{aligned} (k17_quaterni (k31_quaterni k11_quaterni) = k6_numbers) \wedge ((k18_quaterni \\ (k31_quaterni k11_quaterni) = k6_numbers) \wedge ((k19_quaterni (k31_quaterni \\ k11_quaterni) = k1_real_1 np_1) \wedge (k20_quaterni (k31_quaterni \\ k11_quaterni) = k6_numbers))) \end{aligned}$$