

t24_jordan22

(TMGn4MyPz8JQKGN4YytUueDsf8nGSL6RZAY)

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Let $v1_topreal2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k2_jordan21 : \iota \Rightarrow \iota$ be given. Let $k9_jordan6 : \iota \Rightarrow \iota$ be given. Let $k3_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_jordan9 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_topreal2 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 \\ (k15_euclid np_2)))))) \Rightarrow (\forall X1.(m2_subset_1 X1 k1_numbers \\ k5_numbers) \Rightarrow ((\neg r1_xxreal_0 X1 k6_numbers) \Rightarrow (k2_jordan21 (k3_topreal1 \\ np_2 (k1_jordan9 X0 X1)) = k2_jordan21 (k9_jordan6 (k3_topreal1 \\ np_2 (k1_jordan9 X0 X1)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_topreal2 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 \\ (k15_euclid np_2)))))) \Rightarrow (\forall X1.(m2_subset_1 X1 k1_numbers \\ k5_numbers) \Rightarrow (\neg r1_xxreal_0 (k18_euclid (k2_jordan21 X0)) (k18_euclid \\ (k2_jordan21 (k3_topreal1 np_2 (k1_jordan9 X0 X1)))))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0.((v1_topreal2 X0) \wedge (m1_subset_1 X0 (k1_zfmisc_1 (u1_struct_0 \\ (k15_euclid np_2)))))) \Rightarrow (\forall X1.(m2_subset_1 X1 k1_numbers \\ k5_numbers) \Rightarrow (\neg (\neg r1_xxreal_0 X1 k6_numbers) \wedge (r1_xxreal_0 (k18_euclid \\ (k2_jordan21 X0)) (k18_euclid (k2_jordan21 (k9_jordan6 (k3_topreal1 \\ np_2 (k1_jordan9 X0 X1)))))))) \end{aligned}$$