

t20_jordan20

(TMZR7CVprRKzeWBeBA3XRai4coEDL9gCFUy)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r1_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & \quad X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow \\ & \quad (\forall X3.(m1_subset_1 X3 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\\ & \quad \forall X4.(m1_subset_1 X4 (u1_struct_0 (k15_euclid X0)))) \Rightarrow ((\\ & (r1_topreal1 (k15_euclid X0) X3 X4 X1) \wedge ((r1_topreal1 (k15_euclid \\ & \quad X0) X3 X4 X2) \wedge (r1_tarski X1 X2))) \Rightarrow (X1 = X2)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & \quad X1 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X2.(m1_subset_1 X2 \\ & \quad (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X3.((\neg v1_xboole_0 X3) \wedge \\ & (m1_subset_1 X3 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow \\ & \quad (\forall X4.((\neg v1_xboole_0 X4) \wedge (m1_subset_1 X4 (k1_zfmisc_1 \\ & \quad (u1_struct_0 (k15_euclid X0)))) \Rightarrow (((r1_topreal1 (k15_euclid \\ & X0) X1 X2 X3) \wedge ((r1_topreal1 (k15_euclid X0) X1 X2 X4) \wedge (r1_tarski \\ & \quad X4 X3))) \Rightarrow (X4 = X3)))))) \end{aligned}$$