

t26_jordan18 (TMHPvhZdL- NXKM2fZ86Q84gQ5VivhNXiUXEN)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ 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 $r1_jordan18 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_topreal1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
& \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\
& \quad X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X2. \\
& \quad (m1_subset_1 X2 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X3.(\\
& \quad m1_subset_1 X3 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X4.(m1_subset_1 \\
& \quad \quad X4 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X5.(m1_subset_1 X5 \\
& (u1_struct_0 (k15_euclid X0))) \Rightarrow ((r1_jordan18 X0 X1 X2 X3 X4 X5) \Leftrightarrow \\
& \quad (\forall X6.(m1_subset_1 X6 (k1_zfmisc_1 (u1_struct_0 (k15_euclid \\
& \quad X0)))) \Rightarrow (\neg(r1_topreal1 (k15_euclid X0) X2 X3 X6) \wedge ((r1_tarski X6 \\
& \quad \quad X1) \wedge (r1_xboole_0 X6 (k2_tarski X4 X5))))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.k2_tarski X0 X1 = k2_tarski X1 X0 \tag{2}$$

Theorem 1

$$\begin{aligned}
& \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\
& \quad X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X2. \\
& \quad (m1_subset_1 X2 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X3.(\\
& \quad m1_subset_1 X3 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X4.(m1_subset_1 \\
& \quad \quad X4 (u1_struct_0 (k15_euclid X0))) \Rightarrow (\forall X5.(m1_subset_1 X5 \\
& (u1_struct_0 (k15_euclid X0))) \Rightarrow ((r1_jordan18 X0 X1 X2 X3 X4 X5) \Rightarrow \\
& \quad (r1_jordan18 X0 X1 X2 X3 X5 X4))))))
\end{aligned}$$