

t29_jordan18 (TMG- GNd5UHxv5VXyLh1xkG3DJeigEL2BXAZf)

October 27, 2020

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. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X3.(\\ & m1_subset_1 X3 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X4.(m1_subset_1 \\ & X4 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (r1_jordan18 X0 X1 X2 X3 X2 X4)))) \\ & \tag{1} \end{aligned}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 (k1_zfmisc_1 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X2. \\ & (m1_subset_1 X2 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X3.(\\ & m1_subset_1 X3 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X4.(m1_subset_1 \\ & X4 (u1_struct_0 (k15_euclid X0)))) \Rightarrow (\forall X5.(m1_subset_1 X5 \\ & (u1_struct_0 (k15_euclid X0)))) \Rightarrow ((r1_jordan18 X0 X1 X2 X3 X4 X5) \Rightarrow \\ & (r1_jordan18 X0 X1 X3 X2 X4 X5)))))) \\ & \tag{2} \end{aligned}$$

Theorem 1

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