

t3_euclmetr (TMccXaqHsgENm- sQvM5avyMs8DXFnTSJ2oMy)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v3_analmetr : \iota \Rightarrow o$ be given. Let $l1_analmetr : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $r6_analmetr : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r9_analmetr : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r4_analmetr : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r2_analoaf : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2_analmetr : \iota \Rightarrow o$ be given. Let $r8_analmetr : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_analmetr : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge ((v3_analmetr X0) \wedge (l1_analmetr X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. \\
& (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\forall X3.(m1_subset_1 X3 \\
& (u1_struct_0 X0)) \Rightarrow (\forall X4.(m1_subset_1 X4 (u1_struct_0 X0)) \Rightarrow \\
& (\forall X5.(m1_subset_1 X5 (u1_struct_0 X0)) \Rightarrow (\forall X6.(m1_subset_1 \\
& X6 (u1_struct_0 X0)) \Rightarrow (\neg(X1 \neq X2) \wedge ((\neg(\neg(r4_analmetr X0 X1 X2 X3 X4) \wedge \\
& (r4_analmetr X0 X1 X2 X5 X6)) \wedge ((\neg(r4_analmetr X0 X1 X2 X3 X4) \wedge (r4_analmetr \\
& X0 X5 X6 X1 X2)) \wedge ((\neg(r4_analmetr X0 X3 X4 X1 X2) \wedge (r4_analmetr X0 X5 \\
& X6 X1 X2)) \wedge (\neg(r4_analmetr X0 X3 X4 X1 X2) \wedge (r4_analmetr X0 X1 X2 X5 \\
& X6)))))) \wedge (\neg r2_analoaf X0 X3 X4 X5 X6)))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge ((v2_analmetr X0) \wedge (l1_analmetr X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
& X0))) \Rightarrow (\forall X2.(m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\forall X3. \\
& (m1_subset_1 X3 (u1_struct_0 X0)) \Rightarrow ((r6_analmetr X0 X2 X3 X1) \Rightarrow (\\
& r6_analmetr X0 X3 X2 X1))))))
\end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. \forall X2. (((\neg v2_struct_0 X0) \wedge ((v2_analmetr X0) \wedge (l1_analmetr X0))) \wedge ((m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
& X0))) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (u1_struct_0 X0)))))) \Rightarrow ((r9_analmetr \\
& X0 X1 X2) \Leftrightarrow (r8_analmetr X0 X1 X2))
\end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge (l1_analmetr X0)) \Rightarrow (\forall X1. \\
& (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow (\forall X2. \\
& (m1_subset_1 X2 (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow ((r8_analmetr \\
& X0 X1 X2) \Leftrightarrow (\exists X3.(m1_subset_1 X3 (u1_struct_0 X0)) \wedge (\exists X4. \\
& (m1_subset_1 X4 (u1_struct_0 X0)) \wedge (\exists X5.(m1_subset_1 X5 \\
& (u1_struct_0 X0)) \wedge (\exists X6.(m1_subset_1 X6 (u1_struct_0 X0)) \wedge \\
& ((X3 \neq X4) \wedge ((X5 \neq X6) \wedge ((X1 = k4_analmetr X0 X3 X4) \wedge ((X2 = k4_analmetr \\
& X0 X5 X6) \wedge (r2_analoaf X0 X3 X4 X5 X6))))))))))
\end{aligned} \tag{4}$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge (l1_analmetr X0)) \Rightarrow (\forall X1. \\
& (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2.(m1_subset_1 X2 \\
& (u1_struct_0 X0)) \Rightarrow (\forall X3.(m1_subset_1 X3 (k1_zfmisc_1 (\\
& u1_struct_0 X0))) \Rightarrow ((r6_analmetr X0 X1 X2 X3) \Leftrightarrow (\exists X4.(m1_subset_1 \\
& X4 (u1_struct_0 X0)) \wedge (\exists X5.(m1_subset_1 X5 (u1_struct_0 \\
& X0)) \wedge ((X4 \neq X5) \wedge ((X3 = k4_analmetr X0 X4 X5) \wedge (r4_analmetr X0 X1 X2 \\
& X4 X5)))))))))
\end{aligned} \tag{5}$$

Assume the following.

$$\forall X0.(l1_analmetr X0) \Rightarrow (((\neg v2_struct_0 X0) \wedge (v3_analmetr X0)) \Rightarrow ((\neg v2_struct_0 X0) \wedge (v2_analmetr X0))) \tag{6}$$

Theorem 1

$$\begin{aligned}
& \forall X0.((\neg v2_struct_0 X0) \wedge ((v3_analmetr X0) \wedge (l1_analmetr \\
& X0))) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2. \\
& (m1_subset_1 X2 (u1_struct_0 X0)) \Rightarrow (\forall X3.(m1_subset_1 X3 \\
& (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow (\forall X4.(m1_subset_1 X4 \\
& (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow ((r6_analmetr X0 X1 X2 X3) \Rightarrow ((\\
& X1 = X2) \vee (((\neg r6_analmetr X0 X1 X2 X4) \wedge (\neg r6_analmetr X0 X2 X1 X4)) \vee \\
& (r9_analmetr X0 X4 X3)))))))))
\end{aligned}$$