

## t36\_analmetr

(TMJUaFD9UbYDNBw6iCQfcL5yoLQTdrMw4s7)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  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  $k3\_analmetr : \iota \Rightarrow \iota$  be given. Let  $r2\_analoaf : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $g1\_analoaf : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_analoaf : \iota \Rightarrow o$  be given. Let  $l1\_analoaf : \iota \Rightarrow o$  be given. Let  $u1\_analoaf : \iota \Rightarrow \iota$  be given. Let  $k1\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ & (k2\_zfmisc\_1 X0 X0) (k2\_zfmisc\_1 X0 X0)))) \Rightarrow (\forall X2. \forall X3. \\ & (g1\_analoaf X0 X1 = g1\_analoaf X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge (l1\_analmetr X0)) \Rightarrow ((\neg v2\_struct\_0 (k3\_analmetr X0)) \wedge (v1\_analoaf (k3\_analmetr X0))) \quad (2)$$

Assume the following.

$$\forall X0. (l1\_analoaf X0) \Rightarrow (m1\_subset\_1 (u1\_analoaf X0) (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k2\_zfmisc\_1 (u1\_struct\_0 X0) (u1\_struct\_0 X0)) (k2\_zfmisc\_1 (u1\_struct\_0 X0) (u1\_struct\_0 X0)))))) \quad (3)$$

Assume the following.

$$\forall X0. (l1\_analmetr X0) \Rightarrow (l1\_analoaf X0) \quad (4)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge (l1\_analmetr X0)) \Rightarrow ((v1\_analoaf (k3\_analmetr X0)) \wedge (l1\_analoaf (k3\_analmetr X0))) \quad (5)$$

Assume the following.

$$\forall X0. ((\neg v2\_struct\_0 X0) \wedge (l1\_analmetr X0)) \Rightarrow (k3\_analmetr X0 = g1\_analoaf (u1\_struct\_0 X0) (u1\_analoaf X0)) \quad (6)$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_analoaf X0)) \Rightarrow (\forall X1. \\
& (m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (\forall X2.(m1\_subset\_1 X2 \\
& (u1\_struct\_0 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 (u1\_struct\_0 X0)) \Rightarrow \\
& (\forall X4.(m1\_subset\_1 X4 (u1\_struct\_0 X0)) \Rightarrow ((r2\_analoaf X0 \\
& X1 X2 X3 X4) \Leftrightarrow (k1\_domain\_1 (k2\_zfmisc\_1 (u1\_struct\_0 X0) (u1\_struct\_0 \\
& X0)) (k2\_zfmisc\_1 (u1\_struct\_0 X0) (u1\_struct\_0 X0)) (k1\_domain\_1 \\
& (u1\_struct\_0 X0) (u1\_struct\_0 X0) X1 X2) (k1\_domain\_1 (u1\_struct\_0 \\
& X0) (u1\_struct\_0 X0) X3 X4) \in u1\_analoaf X0))))))
\end{aligned} \tag{7}$$

Assume the following.

$$\forall X0.(l1\_analoaf X0) \Rightarrow ((v1\_analoaf X0) \Rightarrow (X0 = g1\_analoaf (u1\_struct\_0 X0) (u1\_analoaf X0))) \tag{8}$$

**Theorem 1**

$$\begin{aligned}
& \forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_analmetr X0)) \Rightarrow (\forall X1. \\
& (m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (\forall X2.(m1\_subset\_1 X2 \\
& (u1\_struct\_0 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 (u1\_struct\_0 X0)) \Rightarrow \\
& (\forall X4.(m1\_subset\_1 X4 (u1\_struct\_0 X0)) \Rightarrow (\forall X5.(m1\_subset\_1 \\
& X5 (u1\_struct\_0 (k3\_analmetr X0))) \Rightarrow (\forall X6.(m1\_subset\_1 \\
& X6 (u1\_struct\_0 (k3\_analmetr X0))) \Rightarrow (\forall X7.(m1\_subset\_1 \\
& X7 (u1\_struct\_0 (k3\_analmetr X0))) \Rightarrow (\forall X8.(m1\_subset\_1 \\
& X8 (u1\_struct\_0 (k3\_analmetr X0))) \Rightarrow (((X1 = X5) \wedge ((X2 = X6) \wedge ((X3 = \\
& X7) \wedge (X4 = X8)))) \Rightarrow ((r2\_analoaf X0 X1 X2 X3 X4) \Leftrightarrow (r2\_analoaf (k3\_analmetr \\
& X0) X5 X6 X7 X8)))))))))
\end{aligned}$$