

t3_lpspace2 (TMc-
NKndoF49Yc4urR1k2WLQoxmK7Zgm1oE2)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k4_power : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 k1_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow (\neg(r1_xxreal_0 \\ & k6_numbers X0) \wedge ((\neg r1_xxreal_0 X1 X0) \wedge ((\neg r1_xxreal_0 X2 k6_numbers) \wedge \\ & (r1_xxreal_0 (k4_power X1 X2) (k4_power X0 X2))))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 k1_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow (\neg(\neg \\ & r1_xxreal_0 X2 k6_numbers) \wedge ((r1_xxreal_0 k6_numbers X0) \wedge ((\neg \\ & r1_xxreal_0 X1 X0) \wedge (r1_xxreal_0 (k4_power X1 X2) (k4_power X0 X2))))))) \end{aligned}$$