

# t5\_lpspace2 (TMZhHhhFQUzneLp- WWhMsoV6UQrfBPsZBPrL)

October 27, 2020

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. Let  $k8\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & X1 k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1 X2 k1\_numbers) \Rightarrow (((r1\_xxreal\_0 \\ & k6\_numbers X1) \wedge (r1\_xxreal\_0 k6\_numbers X2)) \Rightarrow ((r1\_xxreal\_0 X0 \\ & k6\_numbers) \vee (k4\_power (k8\_real\_1 X1 X2) X0 = k8\_real\_1 (k4\_power \\ & X1 X0) (k4\_power X2 X0)))))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & X1 k1\_numbers) \Rightarrow (\forall X2.(m1\_subset\_1 X2 k1\_numbers) \Rightarrow (((r1\_xxreal\_0 \\ & k6\_numbers X0) \wedge (r1\_xxreal\_0 k6\_numbers X1)) \Rightarrow ((r1\_xxreal\_0 X2 \\ & k6\_numbers) \vee (k4\_power (k8\_real\_1 X0 X1) X2 = k8\_real\_1 (k4\_power \\ & X0 X2) (k4\_power X1 X2)))))) \end{aligned}$$