

l8_xcplx_0
(TMPTzaUtqxqpc7c3sfMGKbaFfKVu6LxeSWh)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k1_arytm_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_arytm_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 k1_numbers) \Rightarrow ((X1 = k3_arytm_0 X0) \Leftrightarrow (k1_arytm_0 X0 X1 = k6_numbers))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 k1_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow (((k1_arytm_0 \\ & X0 X1 = k6_numbers) \wedge (k1_arytm_0 X0 X2 = k6_numbers)) \Rightarrow (X1 = X2)))) \end{aligned}$$