

t26_zf_fund1 (TM- dRnEbtVKU1ekZD7Y2S2VFCvyD4gYxATwW)

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Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k1_zf_lang : \iota$ be given. Let $k4_zf_fund1 : \iota \Rightarrow \iota$ be given. Let $k6_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_zf_fund1 : \iota \Rightarrow \iota$ be given. Let $k7_domain_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k5_numbers k1_zf_lang) \Rightarrow (\forall X1. \\ & (m2_subset_1 X1 k5_numbers k1_zf_lang) \Rightarrow (k4_zf_fund1 (k6_domain_1 \\ & k1_zf_lang X0 X1) = k7_domain_1 k5_numbers (k3_zf_fund1 X0) (k3_zf_fund1 \\ & X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k5_numbers k1_zf_lang) \Rightarrow (k4_zf_fund1 \\ & (k6_domain_1 k1_zf_lang X0) = k6_domain_1 k5_numbers (k3_zf_fund1 \\ & X0)) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_subset_1 X0 k5_numbers k1_zf_lang) \Rightarrow (\forall X1. \\ & (m2_subset_1 X1 k5_numbers k1_zf_lang) \Rightarrow ((k4_zf_fund1 (k6_domain_1 \\ & k1_zf_lang X0) = k6_domain_1 k5_numbers (k3_zf_fund1 X0)) \wedge (k4_zf_fund1 \\ & (k7_domain_1 k1_zf_lang X0 X1) = k7_domain_1 k5_numbers (k3_zf_fund1 \\ & X0) (k3_zf_fund1 X1)))) \end{aligned}$$