

t5_mesfunc7

(TMYbPGo5djx9zvmY9Z2nvAbzK4DuARhNFN9)

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Let $k4_binop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_numbers : \iota$ be given. Let $k1_mesfunc7 : \iota$ be given. Let $np_1 : \iota$ be given. Let $r3_binop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8_mesfunc1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$r3_binop_1 \ k7_numbers \ k8_mesfunc1 \ k1_mesfunc7 \tag{1}$$

Assume the following.

$$m1_subset_1 \ k8_mesfunc1 \ k7_numbers \tag{2}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 \ k1_mesfunc7) \wedge ((v1_funct_2 \ k1_mesfunc7 \ (k2_zfmisc_1 \\ & \ k7_numbers \ k7_numbers) \ k7_numbers) \wedge (m1_subset_1 \ k1_mesfunc7 \\ & \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ (k2_zfmisc_1 \ k7_numbers \ k7_numbers) \\ & \ k7_numbers)))) \tag{3} \end{aligned}$$

Assume the following.

$$k8_mesfunc1 = np_1 \tag{4}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 \ X1) \wedge ((v1_funct_2 \ X1 \ (k2_zfmisc_1 \\ & \ X0 \ X0) \ X0) \wedge (m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ (k2_zfmisc_1 \\ & \ X0 \ X0) \ X0)))) \Rightarrow ((\exists X2. (m1_subset_1 \ X2 \ X0) \wedge (r3_binop_1 \ X0 \\ & \ X2 \ X1)) \Rightarrow (\forall X2. (m1_subset_1 \ X2 \ X0) \Rightarrow ((X2 = k4_binop_1 \ X0 \ X1) \Leftrightarrow \\ & \ (r3_binop_1 \ X0 \ X2 \ X1)))) \tag{5} \end{aligned}$$

Theorem 1 $k4_binop_1 \ k7_numbers \ k1_mesfunc7 = np_1$.