

t11_partfun1 (TMbPdo- jBY1BydUB8X8DiGoXkvJ3E1Waz5U2)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1_funct_1 X3) \wedge \\ & (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \Rightarrow ((v1_funct_1 \\ & (k5_relset_1 X0 X1 X3 X2)) \wedge (m1_subset_1 (k5_relset_1 X0 X1 X3 X2) \\ & (k1_zfmisc_1 (k2_zfmisc_1 X2 X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. (m1_subset_1 X2 (\\ & k1_zfmisc_1 (k2_zfmisc_1 X0 X1))) \Rightarrow (m1_subset_1 (k5_relset_1 \\ & X0 X1 X2 X3) (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1_funct_1 X3) \wedge \\ & (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \Rightarrow ((v1_funct_1 \\ & (k5_relset_1 X0 X1 X3 X2)) \wedge (m1_subset_1 (k5_relset_1 X0 X1 X3 X2) \\ & (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \end{aligned}$$