

t1_cayley
(TMRn2ts6xVgHTiRUdDmufQVgBoYjNxgE1Uy)

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Let $k1_cayley : \iota \Rightarrow \iota$ 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 $v3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ 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. Assume the following.

$$\begin{aligned} \forall X0. k1_cayley\ X0 = \text{ReplSep } (\text{toset } (\lambda X1 : \iota. (v1_funct_1 \\ X1) \wedge ((v1_funct_2\ X1\ X0\ X0) \wedge ((v3_funct_2\ X1\ X0\ X0) \wedge (m1_subset_1 \\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ X0\ X0))))))) (\lambda X1 : \iota. \text{True}) (\\ \lambda X1 : \iota. X1) \end{aligned} \tag{1}$$

Theorem 1

$$\forall X0. \forall X1. (X1 \in k1_cayley\ X0) \Rightarrow ((v1_funct_1\ X1) \wedge ((v1_funct_2\ X1\ X0\ X0) \wedge ((v3_funct_2\ X1\ X0\ X0) \wedge (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ X0\ X0))))))$$