

t25_stirl2_1

(TMW1QuXaLyzpiDQf8EX8vyPwwMpfD2CMXtj)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ 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 $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_funct_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_stirl2_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0 : \iota \Rightarrow o. \forall X1. \forall X2. ((v7_ordinal1 X2) \wedge \\ & (v7_ordinal1 X1)) \Rightarrow (v1_finset_1 (ReplSep (toset (\lambda X3 : \iota. \\ & (v1_funct_1 X3) \wedge ((v1_funct_2 X3 X2 X1) \wedge (m1_subset_1 X3 (k1_zfmisc_1 \\ & (k2_zfmisc_1 X2 X1)))))) (\lambda X3 : \iota. X0 X3) (\lambda X3 : \iota. X3))) \end{aligned} \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$\forall X0. (v1_finset_1 X0) \Rightarrow (k5_card_1 X0 = k1_card_1 X0) \quad (3)$$

Assume the following.

$$\forall X0. (v1_finset_1 X0) \Rightarrow (m1_subset_1 (k5_card_1 X0) k4_ordinal1) \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (v7_ordinal1 X1) \Rightarrow (m1_subset_1 \\ & (k1_card_1 (ReplSep (toset (\lambda X2 : \iota. (v1_funct_1 X2) \wedge ((v1_funct_2 \\ & X2 X0 X1) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))))) \\ & (\lambda X2 : \iota. (v2_funct_2 X2 X1) \wedge (v1_stirl2_1 X2 X0 X1)) (\lambda X2 : \\ & \iota. X2))) k5_numbers)) \end{aligned}$$