

t24_integra9 (TMX-
uCF8ViwX1oVkSQf3rUUREwBt4HJS9Hya)

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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 $k1_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_measure5 : \iota \Rightarrow o$ be given. Let $k1_intgra9 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $k2_intgra5 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k20_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$v3_membered\ k1_numbers \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((\neg v1_xboole_0\ X0) \wedge ((v2_measure5\ X0) \wedge (m1_subset_1\ X0\ (k1_zfmisc_1\ k1_numbers)))) \Rightarrow (\forall X1.((v1_funct_1\ X1) \wedge \\ & (m1_subset_1\ X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers)))) \Rightarrow \\ & (\forall X2.((v1_funct_1\ X2) \wedge (m1_subset_1\ X2\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers)))) \Rightarrow (k1_intgra9\ X0\ X1\ X2 = k2_intgra5 \\ & X0\ (k20_valued_1\ k1_numbers\ k1_numbers\ k1_numbers\ X1\ X2)))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. ((v3_membered\ X1) \wedge ((v3_membered\ X2) \wedge ((v1_funct_1\ X3) \wedge (m1_subset_1\ X3\ (k1_zfmisc_1 \\ & (k2_zfmisc_1\ X0\ X1)))) \wedge ((v1_funct_1\ X4) \wedge (m1_subset_1\ X4\ (k1_zfmisc_1 \\ & (k2_zfmisc_1\ X0\ X2)))))) \Rightarrow (k20_valued_1\ X0\ X1\ X2\ X3\ X4 = k20_valued_1 \\ & X0\ X1\ X2\ X4\ X3) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_funct_1\ X0) \wedge (m1_subset_1\ X0\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers)))) \Rightarrow (\forall X1.((v1_funct_1\ X1) \wedge (m1_subset_1 \\ & X1\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers)))) \Rightarrow (\forall X2. \\ & ((\neg v1_xboole_0\ X2) \wedge ((v2_measure5\ X2) \wedge (m1_subset_1\ X2\ (k1_zfmisc_1\ k1_numbers)))) \Rightarrow (k1_intgra9\ X2\ X0\ X1 = k1_intgra9\ X2\ X1\ X0))) \end{aligned}$$