

l49_integra8

(TMYZqLkhLZZfYfpbyURrNwvSrvrqAH6ccSG)

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Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k4_sin_cos2 : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k1_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_sin_cos2 : \iota$ be given. Let $k7_sin_cos2 : \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v5_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$(k1_relset_1\ k1_numbers\ k1_sin_cos2 = k1_numbers) \wedge ((k1_relset_1\ k1_numbers\ k4_sin_cos2 = k1_numbers) \wedge (k1_relset_1\ k1_numbers\ k7_sin_cos2 = k1_numbers)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_relat_1\ X1) \wedge (v4_relat_1\ X1\ X0)) \Rightarrow (k1_relset_1\ X0\ X1 = k9_xtuple_0\ X1) \quad (2)$$

Assume the following.

$$(v1_funct_1\ k4_sin_cos2) \wedge ((v1_funct_2\ k4_sin_cos2\ k1_numbers\ k1_numbers) \wedge (m1_subset_1\ k4_sin_cos2\ (k1_zfmisc_1\ (k2_zfmisc_1\ k1_numbers\ k1_numbers)))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_subset_1\ X2\ (k1_zfmisc_1\ (k2_zfmisc_1\ X0\ X1))) \Rightarrow ((v4_relat_1\ X2\ X0) \wedge (v5_relat_1\ X2\ X1)) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_subset_1\ X2\ (k1_zfmisc_1\ (k2_zfmisc_1\ X0\ X1))) \Rightarrow (v1_relat_1\ X2) \quad (5)$$

Theorem 1 $k9_xtuple_0\ k4_sin_cos2 = k1_numbers$.