t90_sin_cos6 (TMYtQYF-HoUsx5gCMoJxx3PXG7r28t5nU12w)

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Let $k3\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k19\_sin\_cos : \iota$ be given. Let $k1\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k32\_sin\_cos : \iota$ be given. Let $k4\_sin\_cos6 : \iota$ be given. Let $k6\_partfun1 : \iota \Rightarrow \iota$ be given. Let $k4\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_partfun2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$k4\_relset\_1\ k1\_numbers\ k1\_numbers\ k1\_numbers\ k1\_numbers\ (k5\_relset\_1\ k1\_numbers\ k1\_numbers\ k19\_sin\_cos\ (k1\_rcomp\_1\ k6\_numbers\ k32\_sin\_cos))\ k4\_sin\_cos6 = k6\_partfun1\ (k1\_rcomp\_1\ k6\_numbers\ k32\_sin\_cos) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.\forall X5.\ ((m1\_subset\_1\ X4\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)))\wedge(m1\_subset\_1\ X5\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X2\ X3))))\Rightarrow(k4\_relset\_1\ X0\ X1\ X2\ X3\ X4\ X5 = k3\_relat\_1\ X4\ X5) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)))\Rightarrow(m1\_subset\_1\ (k5\_relset\_1\ X0\ X1\ X2\ X3)\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1))) \tag{3}$$

Assume the following.

$$(v1\_funct\_1\ k4\_sin\_cos6)\wedge(m1\_subset\_1\ k4\_sin\_cos6\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers))) \tag{4}$$

Assume the following.

$$(v1\_funct\_1\ k19\_sin\_cos)\wedge((v1\_funct\_2\ k19\_sin\_cos\ k1\_numbers\ k1\_numbers)\wedge(m1\_subset\_1\ k19\_sin\_cos\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ k1\_numbers\ k1\_numbers)))) \tag{5}$$

Assume the following.

$$k4\_sin\_cos6 = k2\_partfun2\ k1\_numbers\ k1\_numbers\ (k5\_relset\_1\ k1\_numbers\ k1\_numbers\ k19\_sin\_cos\ (k1\_rcomp\_1\ k6\_numbers\ k32\_sin\_cos)) \tag{6}$$

Theorem 1

$$k3\_relat\_1\ (k5\_relset\_1\ k1\_numbers\ k1\_numbers\ k19\_sin\_cos\ (k1\_rcomp\_1\ k6\_numbers\ k32\_sin\_cos))\ k4\_sin\_cos6 = k6\_partfun1\ (k1\_rcomp\_1\ k6\_numbers\ k32\_sin\_cos)$$