

t24\_sin\_cos  
(TMQ8XgGptVnkSLHDpTWNTdC5u2VfD3bfumW)

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Let  $k1\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k16\_sin\_cos : \iota$  be given. Let  $k19\_sin\_cos : \iota$  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  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  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.

$$\forall X0. \forall X1. ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 X0 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow (k1\_relset\_1 X0 X1 = X0) \quad (1)$$

Assume the following.

$$(v1\_funct\_1 k19\_sin\_cos) \wedge ((v1\_funct\_2 k19\_sin\_cos k1\_numbers k1\_numbers) \wedge (m1\_subset\_1 k19\_sin\_cos (k1\_zfmisc\_1 (k2\_zfmisc\_1 k1\_numbers k1\_numbers)))) \quad (2)$$

Assume the following.

$$(v1\_funct\_1 k16\_sin\_cos) \wedge ((v1\_funct\_2 k16\_sin\_cos k1\_numbers k1\_numbers) \wedge (m1\_subset\_1 k16\_sin\_cos (k1\_zfmisc\_1 (k2\_zfmisc\_1 k1\_numbers k1\_numbers)))) \quad (3)$$

**Theorem 1**

$$(k1\_relset\_1 k1\_numbers k16\_sin\_cos = k1\_numbers) \wedge (k1\_relset\_1 k1\_numbers k19\_sin\_cos = k1\_numbers)$$