

t21\_grfunc\_1  
(TMLFqdZxKJ49hcbBi5fLZiArryypkgctmg1)

October 27, 2020

Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_funct\_1 : \iota \Rightarrow \iota$  be given. Let  $k4\_relat\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$k4\_relat\_1 \ k1\_xboole\_0 = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$\forall X0. k2\_funct\_1 (k4\_relat\_1 \ X0) = k4\_relat\_1 \ X0 \tag{2}$$

**Theorem 1**

$$\forall X0. ((v1\_relat\_1 \ X0) \wedge (v1\_funct\_1 \ X0)) \Rightarrow ((X0 = k1\_xboole\_0) \Rightarrow (k2\_funct\_1 \ X0 = k1\_xboole\_0))$$