l4_zf_fund2 (TMZRbxUTW-pen4jGmSwSPtAeriMSdD3sQJQN)

October 27, 2020

Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $k3\_card\_3 : \iota \Rightarrow \iota$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.((v1\_relat\_1\ X1) \wedge (v1\_funct\_1\ X1)) \Rightarrow ((X0 \in k3\_card\_3\ X1) \Leftrightarrow (\exists X2.(X2 \in k9\_xtuple\_0\ X1) \wedge (X0 \in k1\_funct\_1\ X1\ X2))) \tag{1}$$

Theorem 1

$$\forall X0.((v1\_relat\_1\ X0) \wedge (v1\_funct\_1\ X0)) \Rightarrow (\forall X1.\neg(X1 \in k3\_card\_3\ X0) \wedge (\forall X2.\neg(X2 \in k9\_xtuple\_0\ X0) \wedge (X1 \in k1\_funct\_1\ X0\ X2)))$$