t24_zfmodel2 (TMEvV7mMdw1SJUF27751Dnva6jf7Gg2MKdu)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $r2\_zfmodel1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_partfun1 : \iota \Rightarrow \iota$ be given. Let $r1\_zfmodel1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $k4\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (r1\_zfmodel1\ (k6\_partfun1\ X0)\ X0) \tag{1}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (\forall X1.((v1\_relat\_1\ X1) \wedge (v1\_funct\_1\ X1)) \Rightarrow ((r1\_zfmodel1\ X1\ X0) \Rightarrow (r2\_zfmodel1\ X1\ X0))) \tag{2}$$

Assume the following.

$$\forall X0.k6\_partfun1\ X0 = k4\_relat\_1\ X0 \tag{3}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ (k4\_relat\_1\ X0)) \wedge ((v4\_relat\_1\ (k4\_relat\_1\ X0)\ X0) \wedge ((v1\_funct\_1\ (k4\_relat\_1\ X0)) \wedge (v1\_partfun1\ (k4\_relat\_1\ X0)\ X0))) \tag{4}$$

Theorem 1 $\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (r2\_zfmodel1\ (k6\_partfun1\ X0)\ X0)$.