t28_compos_1 (TMK4zyBCAzX21XJJFLQVWGrSytQnmqtfDsM)

October 27, 2020

Let $l1\_compos\_1 : \iota \Rightarrow o$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_compos\_1 : \iota \Rightarrow \iota$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $v1\_afinsq\_1 : \iota \Rightarrow o$ be given. Let $v3\_compos\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4\_compos\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8\_compos\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_compos\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.((l1\_compos\_1\ X0) \wedge ((\neg v1\_xboole\_0\ X1) \wedge ((v1\_relat\_1\ X1) \wedge ((v4\_relat\_1\ X1\ k5\_numbers) \wedge ((v5\_relat\_1\ X1\ (u1\_compos\_1\ X0)) \wedge ((v1\_funct\_1\ X1) \wedge ((v1\_finset\_1\ X1) \wedge ((v1\_afinsq\_1\ X1) \wedge ((v3\_compos\_1\ X1\ X0) \wedge (v4\_compos\_1\ X1\ X0))))))))) \Rightarrow (k8\_compos\_1\ X0\ (k4\_compos\_1\ X0)\ X1 = X1) \tag{1}$$

Theorem 1

$$\forall X0.(l1\_compos\_1\ X0) \Rightarrow (\forall X1.((\neg v1\_xboole\_0\ X1) \wedge ((v1\_relat\_1\ X1) \wedge ((v4\_relat\_1\ X1\ k5\_numbers) \wedge ((v5\_relat\_1\ X1\ (u1\_compos\_1\ X0)) \wedge ((v1\_funct\_1\ X1) \wedge ((v1\_finset\_1\ X1) \wedge ((v1\_afinsq\_1\ X1) \wedge ((v3\_compos\_1\ X1\ X0) \wedge (v4\_compos\_1\ X1\ X0)))))))) \Rightarrow (k8\_compos\_1\ X0\ (k4\_compos\_1\ X0)\ X1 = X1))$$