t76_modelc_3 (TMU1xjU9aL19fLD2VXuL7qRpnNVNhjuL6zZ)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k25\_modelc\_2 : \iota \Rightarrow \iota$ be given. Let $k43\_modelc\_2 : \iota$ be given. Let $v1\_modelc\_2 : \iota \Rightarrow o$ be given. Let $v5\_modelc\_3 : \iota \Rightarrow o$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $r9\_modelc\_3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k34\_modelc\_3 : \iota \Rightarrow \iota$ be given. Let $r7\_modelc\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k25\_modelc\_2\ k43\_modelc\_2)) \Rightarrow (\forall X1.\ ((v1\_modelc\_2\ X1) \wedge ((v5\_modelc\_3\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers))) \Rightarrow ((r7\_modelc\_2\ X0\ X1) \Rightarrow (r9\_modelc\_3\ k43\_modelc\_2\ (k34\_modelc\_3\ X1)\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k25\_modelc\_2\ k43\_modelc\_2)) \Rightarrow (\forall X1.\ ((v1\_modelc\_2\ X1) \wedge ((v5\_modelc\_3\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers))) \Rightarrow ((r9\_modelc\_3\ k43\_modelc\_2\ (k34\_modelc\_3\ X1)\ X0) \Rightarrow (r7\_modelc\_2\ X0\ X1))) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k25\_modelc\_2\ k43\_modelc\_2)) \Rightarrow (\forall X1.\ ((v1\_modelc\_2\ X1) \wedge ((v5\_modelc\_3\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers))) \Rightarrow ((r9\_modelc\_3\ k43\_modelc\_2\ (k34\_modelc\_3\ X1)\ X0) \Leftrightarrow (r7\_modelc\_2\ X0\ X1)))$$