l10_flang_1 (TMdoV8B4Fg6SxvcpHujQpjAsmgAeAqJKuiE)

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Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $v5\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_finset\_1 : \iota \Rightarrow o$ be given. Let $k1\_afinsq\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_ordinal4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\forall X2.((v1\_relat\_1\ X2) \wedge ((v5\_ordinal1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_finset\_1\ X2)))) \Rightarrow (\neg(k1\_afinsq\_1\ X2 = k2\_xcmplx\_0\ X0\ X1) \wedge (\forall X3.((v1\_relat\_1\ X3) \wedge ((v5\_ordinal1\ X3) \wedge ((v1\_funct\_1\ X3) \wedge (v1\_finset\_1\ X3)))) \Rightarrow (\forall X4.((v1\_relat\_1\ X4) \wedge ((v5\_ordinal1\ X4) \wedge ((v1\_funct\_1\ X4) \wedge (v1\_finset\_1\ X4)))) \Rightarrow (\neg(k1\_afinsq\_1\ X3 = X0) \wedge ((k1\_afinsq\_1\ X4 = X1) \wedge (X2 = k1\_ordinal4\ X3\ X4)))))))) \tag{1}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\forall X2.((v5\_ordinal1\ X2) \wedge ((v1\_relat\_1\ X2) \wedge ((v1\_funct\_1\ X2) \wedge (v1\_finset\_1\ X2)))) \Rightarrow (\neg(k1\_afinsq\_1\ X2 = k2\_xcmplx\_0\ X0\ X1) \wedge (\forall X3.((v5\_ordinal1\ X3) \wedge ((v1\_relat\_1\ X3) \wedge ((v1\_funct\_1\ X3) \wedge (v1\_finset\_1\ X3)))) \Rightarrow (\forall X4.((v5\_ordinal1\ X4) \wedge ((v1\_relat\_1\ X4) \wedge ((v1\_funct\_1\ X4) \wedge (v1\_finset\_1\ X4)))) \Rightarrow (\neg(k1\_afinsq\_1\ X3 = X0) \wedge ((k1\_afinsq\_1\ X4 = X1) \wedge (X2 = k1\_ordinal4\ X3\ X4)))))))$$