l8_comptrig (TMMwRwasWj-Sod9BAsLqDjTtDXXDRgyceeLr)

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Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32\_sin\_cos : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k9\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (k2\_xcmplx\_0\ X0\ k6\_numbers = X0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k1\_numbers) \wedge (v1\_xreal\_0\ X1)) \Rightarrow (k7\_real\_1\ X0\ X1 = k2\_xcmplx\_0\ X0\ X1) \tag{2}$$

Assume the following.

$$\neg r1\_xxreal\_0\ k32\_sin\_cos\ k6\_numbers \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k1\_numbers) \Rightarrow ((\neg r1\_xxreal\_0\ X0\ k6\_numbers) \Rightarrow ((\neg r1\_xxreal\_0\ X1\ (k9\_real\_1\ X1\ X0)) \wedge (\neg r1\_xxreal\_0\ (k7\_real\_1\ X1\ X0)\ X1)))) \tag{4}$$

Assume the following.

$$m1\_subset\_1\ k6\_numbers\ k1\_numbers \tag{5}$$

Assume the following.

$$m1\_subset\_1\ k32\_sin\_cos\ k1\_numbers \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.((m1\_subset\_1\ X0\ k1\_numbers) \wedge (v1\_xreal\_0\ X1)) \Rightarrow (k7\_real\_1\ X0\ X1 = k7\_real\_1\ X1\ X0) \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xreal\_0\ X0) \tag{8}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (v1\_xcmplx\_0\ X0) \tag{9}$$

Theorem 1

$$\neg r1\_xxreal\_0\ (k7\_real\_1\ k32\_sin\_cos\ k32\_sin\_cos)\ (k7\_real\_1\ k6\_numbers\ k32\_sin\_cos)$$