t23_complex2 (TMTtE6xfcwE45ovtnD9rzPEWdEy6KBozchJ)

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Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k4\_complex1 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_comptrig : \iota \Rightarrow \iota$ be given. Let $k32\_sin\_cos : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_complex1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow ((k1\_comptrig\ X0 = k32\_sin\_cos) \Leftrightarrow ((\neg r1\_xxreal\_0\ k6\_numbers\ (k3\_complex1\ X0)) \wedge (k4\_complex1\ X0 = k6\_numbers))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow ((k1\_comptrig\ X0 = k6\_numbers) \Leftrightarrow ((r1\_xxreal\_0\ k6\_numbers\ (k3\_complex1\ X0)) \wedge (k4\_complex1\ X0 = k6\_numbers))) \tag{2}$$

Theorem 1

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow ((k4\_complex1\ X0 = k6\_numbers) \Leftrightarrow ((k1\_comptrig\ X0 = k6\_numbers) \vee (k1\_comptrig\ X0 = k32\_sin\_cos)))$$