l5_comptrig (TMaf5r5ENM6KNJUxt5ZEosVGE5P2Ar2sViD)

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Let $k32\_sin\_cos : \iota$ be given. Let $k2\_rcomp\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_4 : \iota$ be given. Let $k31\_sin\_cos : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k1\_seq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k29\_sin\_cos : \iota$ be given. Let $k6\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$k32\_sin\_cos = k31\_sin\_cos \tag{1}$$

Assume the following.

$$v1\_xreal\_0\ k31\_sin\_cos \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow ((X0 = k31\_sin\_cos) \Leftrightarrow ((k1\_seq\_1\ k29\_sin\_cos\ (k6\_real\_1\ X0\ np\_\_4) = np\_\_1) \wedge (X0 \in k2\_rcomp\_1\ k6\_numbers\ np\_\_4))) \tag{3}$$

Theorem 1 $k32\_sin\_cos \in k2\_rcomp\_1\ k6\_numbers\ np\_\_4$.