t59_sin_cos9 (TMK9c9Qg22C4K9smuwHW5MjgV3s1HJcSPju)

October 27, 2020

Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_real\_1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k5\_sin\_cos9 : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_sin\_cos4 : \iota \Rightarrow \iota$ be given. Let $k1\_seq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k29\_sin\_cos : \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (((r1\_xxreal\_0\ (k1\_real\_1\ np\_\_1)\ X0) \wedge (r1\_xxreal\_0\ X0\ np\_\_1)) \Rightarrow (k1\_sin\_cos4\ (k5\_sin\_cos9\ X0) = X0)) \tag{1}$$

Assume the following.

$$(k1\_seq\_1\ k29\_sin\_cos\ k6\_numbers = k6\_numbers) \wedge (k1\_sin\_cos4\ k6\_numbers = k6\_numbers) \tag{2}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k1\_numbers) \Rightarrow (((r1\_xxreal\_0\ (k1\_real\_1\ np\_\_1)\ X0) \wedge ((r1\_xxreal\_0\ X0\ np\_\_1) \wedge (k5\_sin\_cos9\ X0 = k6\_numbers))) \Rightarrow (X0 = k6\_numbers))$$