

t3_integr10
 (TMQRk1pZbquvgG7TA7CsZfuGUAnaEU5bwM6)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k9_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k24_sin_cos : \iota$ be given. Let $k4_intgra5 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (k9_real_1 \\ (k1_seq_1 k24_sin_cos X0) (k1_seq_1 k24_sin_cos X1) = k4_intgra5 \\ X1 X0 k24_sin_cos)) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k1_numbers) \Rightarrow (k9_real_1 (k1_seq_1 k24_sin_cos X0) (k1_seq_1 \\ k24_sin_cos X1) = k4_intgra5 X1 X0 k24_sin_cos)) \end{aligned}$$