

t13\_taylor\_1 (TMZm-  
nAS8JPvpWZ6LFt3hK4uFHB7AxoJGPu9)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k6\_power : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k8\_power : \iota$  be given. Let  $k1\_seq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k24\_sin\_cos : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_power : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k25\_sin\_cos : \iota \Rightarrow \iota$  be given. Let  $k1\_numbers : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (k5\_power k8\_power (k25\_sin\_cos X0) = X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((m1\_subset\_1 X0 k1\_numbers) \wedge (m1\_subset\_1 X1 k1\_numbers)) \Rightarrow (k6\_power X0 X1 = k5\_power X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (v1\_xreal\_0 (k25\_sin\_cos X0)) \quad (4)$$

Assume the following.

$$m1\_subset\_1 k8\_power k1\_numbers \quad (5)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (k25\_sin\_cos X0 = k1\_seq\_1 k24\_sin\_cos X0) \quad (6)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Leftrightarrow (X0 \in k1\_numbers) \quad (7)$$

**Theorem 1**

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (k6\_power k8\_power (k1\_seq\_1 k24\_sin\_cos X0) = X0)$$