t17_margrel1 (TMdzyhsVJGZ4QdSFrh5kyxBpkqn7WvJqzFX)

October 27, 2020

Let $k7\_margrel1 : \iota$ be given. Let $k12\_margrel1 : \iota \Rightarrow \iota$ be given. Let $k8\_margrel1 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $np\_\_0 : \iota$ be given. Let $k2\_xboolean : \iota$ be given. Let $k1\_xboolean : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k11\_margrel1 : \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

Assume the following.

$$v1\_xboole\_0\ np\_\_0 \tag{2}$$

Assume the following.

$$k8\_margrel1 = k2\_xboolean \tag{3}$$

Assume the following.

$$k7\_margrel1 = k1\_xboolean \tag{4}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{5}$$

Assume the following.

$$\forall X0.k12\_margrel1\ X0 = k11\_margrel1\ X0 \tag{6}$$

Assume the following.

$$k2\_xboolean = np\_\_1 \tag{7}$$

Assume the following.

$$k1\_xboolean = k6\_numbers \tag{8}$$

Assume the following.

$$\begin{gathered}\forall X0.((\neg k7\_margrel1 \in X0) \Rightarrow (k11\_margrel1\ X0 = k8\_margrel1)) \wedge \\ ((k7\_margrel1 \in X0) \Rightarrow (k11\_margrel1\ X0 = k7\_margrel1))\end{gathered} \tag{9}$$

Theorem 1

$$\forall X0.((\neg k7\_margrel1 \in X0) \Rightarrow (k12\_margrel1\ X0 = k8\_margrel1)) \wedge ((\neg(k12\_margrel1\ X0 = k8\_margrel1) \wedge (k7\_margrel1 \in X0)) \wedge (((k7\_margrel1 \in X0) \Rightarrow (k12\_margrel1\ X0 = k7\_margrel1)) \wedge ((k12\_margrel1\ X0 = k7\_margrel1) \Rightarrow (k7\_margrel1 \in X0))))$$