t6_fvaluat1 (TMJYhgQe9nqkgP763Z6fUH9E34srtHqSZNp)

October 27, 2020

Let $v1\_xxreal\_0 : \iota \Rightarrow o$ be given. Let $k2\_xxreal\_0 : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $k6\_xxreal\_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k5\_xxreal\_3 : \iota \Rightarrow \iota$ be given. Let $k4\_xxreal\_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

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

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\forall X2.\ (v1\_xxreal\_0\ X2) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X1\ X0) \wedge ((\neg r1\_xxreal\_0\ k6\_numbers\ X2) \wedge ((X2 \neq k2\_xxreal\_0) \wedge (r1\_xxreal\_0\ (k6\_xxreal\_3\ X0\ X2)\ (k6\_xxreal\_3\ X1\ X2)))))))) \tag{2}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$(v1\_xboole\_0\ (k5\_xxreal\_3\ k2\_xxreal\_0)) \wedge (v1\_xxreal\_0\ (k5\_xxreal\_3\ k2\_xxreal\_0)) \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.(((v1\_xboole\_0\ X0) \wedge (v1\_xxreal\_0\ X0)) \wedge (v1\_xxreal\_0\ X1)) \Rightarrow ((v1\_xboole\_0\ (k4\_xxreal\_3\ X0\ X1)) \wedge (v1\_xxreal\_0\ (k4\_xxreal\_3\ X0\ X1))) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (v1\_xxreal\_0\ (k5\_xxreal\_3\ X0)) \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (k6\_xxreal\_3\ X0\ X1 = k4\_xxreal\_3\ X0\ (k5\_xxreal\_3\ X1))) \tag{7}$$

Theorem 1

$$\forall X0.(v1\_xxreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0\ X1) \Rightarrow (\neg (X0 \neq k2\_xxreal\_0) \wedge ((\neg r1\_xxreal\_0\ X1\ k6\_numbers) \wedge ((\neg r1\_xxreal\_0\ k6\_numbers\ X0) \wedge (r1\_xxreal\_0\ k6\_numbers\ (k6\_xxreal\_3\ X1\ X0))))))$$