

# l1\_gobrd11

(TMHK1F<sub>x</sub>SyUD5i4NEEYZ7LoC<sub>x</sub>WsezVKusP4<sub>x</sub>)

October 27, 2020

Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k7\_square\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $k6\_square\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\neg(\neg r1\_xxreal\_0 X0 \ k6\_numbers) \wedge (r1\_xxreal\_0 (k6\_square\_1 X0) \ k6\_numbers)) \quad (1)$$

Assume the following.

$$((v2\_xxreal\_0 \ np\_2) \wedge (m2\_subset\_1 \ np\_2 \ k1\_numbers \ k5\_numbers)) \wedge ((m1\_subset\_1 \ np\_2 \ k5\_numbers) \wedge (m1\_subset\_1 \ np\_2 \ k1\_numbers)) \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 \ X0 \ k1\_numbers) \Rightarrow (k7\_square\_1 \ X0 = k6\_square\_1 \ X0) \quad (3)$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \quad (4)$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0 \ X0) \Rightarrow ((v2\_xxreal\_0 \ X0) \Leftrightarrow (\neg r1\_xxreal\_0 \ X0 \ k6\_numbers)) \quad (5)$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0 \ X0) \Rightarrow (v1\_xxreal\_0 \ X0) \quad (6)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 \ X0 \ k1\_numbers) \Rightarrow (v1\_xxreal\_0 \ X0) \quad (7)$$

**Theorem 1**  $\neg r1\_xxreal\_0 (k7\_square\_1 \ np\_2) \ k6\_numbers.$