

# l8\_intpro\_1 (TM- GREzD2pHLbgEQLbxxE5ohfPQdHmATpNqQ)

October 27, 2020

Let  $v7\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k13\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $v1\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v2\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v3\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v4\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v5\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $v6\_intpro\_1 : \iota \Rightarrow o$  be given. Let  $k12\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1\_xboole\_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v7\_intpro\_1 X0) \Leftrightarrow ((r1\_tarski X0 (k13\_finseq\_1 k5\_numbers)) \wedge ((v1\_intpro\_1 X0) \wedge ((v2\_intpro\_1 X0) \wedge ((v3\_intpro\_1 X0) \wedge ((v4\_intpro\_1 X0) \wedge ((v5\_intpro\_1 X0) \wedge (v6\_intpro\_1 X0))))))) \quad (2)$$

Assume the following.

$$\forall X0. (v1\_intpro\_1 X0) \Leftrightarrow (k12\_finseq\_1 k5\_numbers k6\_numbers \in X0) \quad (3)$$

**Theorem 1**  $\forall X0. \neg (v7\_intpro\_1 X0) \wedge (v1\_xboole\_0 X0).$