

# l4\_lattice8

(TMQAigT7TRdhubewLEz72Qwd8SkdJ49G4shT)

October 27, 2020

Let  $v1\_abian : \iota \Rightarrow o$  be given. Let  $np\_2 : \iota$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k4\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $c1\_axioms : \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k4\_nat\_d X0 X0 = k6\_numbers) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow ((v1\_abian X0) \Leftrightarrow (k4\_nat\_d X0 np\_2 = k6\_numbers)) \quad (2)$$

Assume the following.

$$np\_2 \in k4\_ordinal1 \quad (3)$$

Assume the following.

$$c1\_axioms = k6\_numbers \quad (4)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Leftrightarrow (X0 \in k4\_ordinal1) \quad (5)$$

**Theorem 1**  $v1\_abian np\_2$ .