l14_oposet_1 (TMUUyc5tTMMqFzj3pBoMUMTxNAM3mBpjV3V)

October 27, 2020

Let $v5\_orders\_2 : \iota \Rightarrow o$ be given. Let $k1\_oposet\_1 : \iota$ be given. Let $v3\_orders\_2 : \iota \Rightarrow o$ be given. Let $v3\_qmax\_1 : \iota \Rightarrow o$ be given. Let $v13\_struct\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $l2\_qmax\_1 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $l1\_robbins1 : \iota \Rightarrow o$ be given. Let $v4\_orders\_2 : \iota \Rightarrow o$ be given. Let $v3\_lattice3 : \iota \Rightarrow o$ be given. Assume the following.

$$(v3\_orders\_2\ k1\_oposet\_1) \wedge (v3\_qmax\_1\ k1\_oposet\_1) \tag{1}$$

Assume the following.

$$(v13\_struct\_0\ k1\_oposet\_1\ np\_\_1) \wedge (v3\_qmax\_1\ k1\_oposet\_1) \tag{2}$$

Assume the following.

$$\forall X0.(l2\_qmax\_1\ X0) \Rightarrow ((l1\_orders\_2\ X0) \wedge (l1\_robbins1\ X0)) \tag{3}$$

Assume the following.

$$(v3\_qmax\_1\ k1\_oposet\_1) \wedge (l2\_qmax\_1\ k1\_oposet\_1) \tag{4}$$

Assume the following.

$$\begin{gathered}\forall X0.(l1\_orders\_2\ X0) \Rightarrow (((v13\_struct\_0\ X0\ np\_\_1) \wedge (v3\_orders\_2 \\ X0)) \Rightarrow ((v13\_struct\_0\ X0\ np\_\_1) \wedge ((v3\_orders\_2\ X0) \wedge ((v4\_orders\_2 \\ X0) \wedge ((v5\_orders\_2\ X0) \wedge (v3\_lattice3\ X0))))))\end{gathered} \tag{5}$$

Theorem 1 $v5\_orders\_2\ k1\_oposet\_1$.