l58_poset_1 (TMSD6faAWG58QoPJvvR5S9VUCHUaqdRJkEL)

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Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v3\_orders\_2 : \iota \Rightarrow o$ be given. Let $v4\_orders\_2 : \iota \Rightarrow o$ be given. Let $v5\_orders\_2 : \iota \Rightarrow o$ be given. Let $v1\_poset\_1 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v6\_orders\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_poset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_1 : \iota \Rightarrow o$ be given. Let $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2\_poset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9\_funct\_7 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_yellow\_0 : \iota \Rightarrow \iota$ be given.

Theorem 1

$$\forall X0.\forall X1.((\neg v2\_struct\_0\ X1)\wedge((v1\_orders\_2\ X1)\wedge((v3\_orders\_2\ X1)\wedge((v4\_orders\_2\ X1)\wedge((v5\_orders\_2\ X1)\wedge((v1\_poset\_1\ X1)\wedge(l1\_orders\_2\ X1)))))))\Rightarrow(\forall X2.((\neg v1\_xboole\_0\ X2)\wedge((v6\_orders\_2\ X2\ (k6\_poset\_1\ X1\ X1))\wedge(m1\_subset\_1\ X2\ (k1\_zfmisc\_1\ (u1\_struct\_0\ (k6\_poset\_1\ X1\ X1))))))\Rightarrow(\forall X3.(v7\_ordinal1\ X3)\Rightarrow(\forall X4.((X4 = ReplSep\ (toset\ (\lambda X5 : \iota.m1\_subset\_1\ X5\ (u1\_struct\_0\ X1)))\ (\lambda X5 : \iota.\exists X6.(m1\_subset\_1\ X6\ (u1\_struct\_0\ (k6\_poset\_1\ X1\ X1)))\wedge(\exists X7.((v1\_funct\_1\ X7)\wedge((v1\_funct\_2\ X7\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X1))\wedge((v2\_poset\_1\ X7\ X1\ X1)\wedge(m1\_subset\_1\ X7\ (k1\_zfmisc\_1\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X1)\ (u1\_struct\_0\ X1))))))))\wedge((X7 = X6)\wedge((X6 \in X2)\wedge(X5 = k1\_funct\_1\ (k9\_funct\_7\ X7\ X3)\ (k3\_yellow\_0\ X1))))))\ (\lambda X5 : \iota.X5))\wedge(X0 \in X4))\Rightarrow(m1\_subset\_1\ X0\ (u1\_struct\_0\ X1)))))$$