

mk_grp^{13,42}

$\forall T:\text{Type}, eq, le:(T \rightarrow T \rightarrow \mathbb{B}), op:(T \rightarrow T \rightarrow T), id:T, inv:(T \rightarrow T).$
 $\text{IsEqFun}(T;eq)$
 $\Rightarrow \text{Assoc}(T;op)$
 $\Rightarrow \text{Ident}(T;op;id)$
 $\Rightarrow \text{Inverse}(T;op;id;inv)$
 $\Rightarrow \langle T, eq, le, op, id, inv \rangle \in \text{Group}\{i\}$