mk_imon[13,42]

$\forall T$:Type, eq, le:($T \to T \to \mathbb{B}$), op:($T \to T \to T$), id:T, inv:($T \to T$).
Assoc(T;op) $\Rightarrow$ Ident(T;op;id) $\Rightarrow$ ($<T$, eq, le, op, id, $inv>$ $\in$ IMonoid)

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http://www.nuprl.org/FDLcontent/p0_400045_/p78_50673_{mk_imon}.html