

mon_itop_split_el^{13,42}

$\forall g:\text{IMonoid}, a, b, c:\mathbb{Z}.$

$(a \leq b)$

$\Rightarrow (b < c)$

$\Rightarrow (\forall E: (\{a..c^-\} \rightarrow |g|)).$

$(\Pi a \leq j < c. E(j)) = ((\Pi a \leq j < b. E(j)) * (E(b) * (\Pi b+1 \leq j < c. E(j)))) \in |g|$