

mon_itop_split^{13,42}

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

$(a \leq b)$

$\Rightarrow (b \leq c)$

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

$(\prod_{a \leq j < c} E(j)) = ((\prod_{a \leq j < b} E(j)) * (\prod_{b \leq j < c} E(j))) \in |g|)$