

itop_unroll_lo^{13,42}

$\forall g:\text{IMonoid}, i, j:\mathbb{Z}.$

$(i < j)$

$\Rightarrow (\forall E:(\{i..j^-\} \rightarrow |g|). \Pi(*,e) i \leq k < j. E(k) = (E(i) * \Pi(*,e) i+1 \leq k < j. E(k)) \in |g|)$