

## **mon\_itop\_shift**<sup>13,42</sup>

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

$(a \leq b)$

$\Rightarrow (\forall E:(\{a..b^-\} \rightarrow |g|), k:\mathbb{Z}. (\Pi a \leq j < b. E(j)) = (\Pi a+k \leq j < b+k. E(j - k)) \in |g|)$