

rng_sum_split^{11,40}

$\forall r:\text{Rng}, a, b, c:\mathbb{Z}.$

$(a \leq b)$

$\Rightarrow (b \leq c)$

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

$(\Sigma(r) a \leq j < c. E(j)) = ((\Sigma(r) a \leq j < b. E(j)) +r (\Sigma(r) b \leq j < c. E(j))) \in |r|)$