

rng_times_sum_r^{11,40}

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

$(a \leq b)$

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

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