

prod_sum_r_q^{11,40}

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

$(a \leq b) \Rightarrow (\forall E: (\{a..b^-\} \rightarrow \mathbb{Q}), u: \mathbb{Q}. (\sum_{a \leq j < b} E(j) * u) = \sum_{a \leq j < b} E(j) * u \in \mathbb{Q})$