

weighted-sum-split^{11,40}

$\forall p, q: (\mathbb{Q} \text{ List}), F: (\{0.. \|p @ q\|^- \} \rightarrow \mathbb{Q}).$

$\text{weighted-sum}(p @ q; F) = (\text{weighted-sum}(p; F) + \text{weighted-sum}(q; \lambda i. F(i + \|p\|))) \in \mathbb{Q}$