

sum_le^{4,23}

$\forall k:\mathbb{N}, f, g:(\mathbb{N}_{<k} \rightarrow \mathbb{Z}). (\forall x:\mathbb{N}_{<k}. f(x) \leq g(x)) \Rightarrow \text{sum}(f(x) \mid x < k) \leq \text{sum}(g(x) \mid x < k)$