

## **fadd\_increasing**<sup>4,23</sup>

$\forall n:\mathbb{N}, f, g:(\mathbb{N}_{<n} \rightarrow \mathbb{Z}). \text{increasing}(f;n) \Rightarrow \text{nondecreasing}(g;n) \Rightarrow \text{increasing}(\text{fadd}(f;g);n)$