## fadd_increasing[4,23]

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

http://www.nuprl.org/FDLcontent/p0_802137_/p84_112528_{fadd_increasing}.html