sum_difference[4,23]

$\forall n{:}\mathbb{N},\ f,\ g{:}(\mathbb{N}_{<n} \rightarrow \mathbb{Z}),\ d{:}\mathbb{Z}.$
$\mathrm{sum}(f(x) - g(x) \mid x < n) = d \Rightarrow \mathrm{sum}(f(x) \mid x < n) = \mathrm{sum}(g(x) \mid x < n) + d$

http://www.nuprl.org/FDLcontent/p0_802137_/p95_202324_{sum_difference}.html