







Book stacking summary
$B_{n}::=$ overhang of $n$ books
$B_{1}=1 / 2$
$B_{n+1}=B_{n}+\frac{1}{2(n+1)}$
$B_{n}=\frac{1}{2}\left(1+\frac{1}{2}+\frac{1}{3}+\cdots+\frac{1}{n}\right)$
and
Harmonic Sums
$H_{n}::=1+\frac{1}{2}+\frac{1}{3}+\cdots+\frac{1}{n}$
$n^{\text {th }}$ Harmonic number
$B_{n}=H_{n} / 2$

