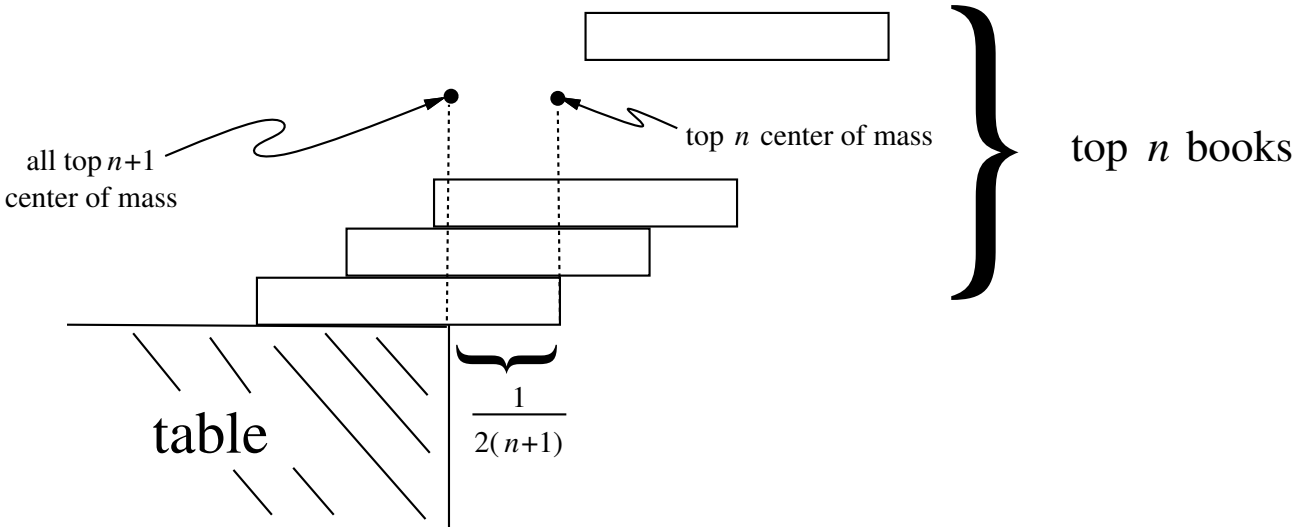
all top n+1
center of mass
top n center of mass
top n books
table
$\frac{1}{2(n+1)}$