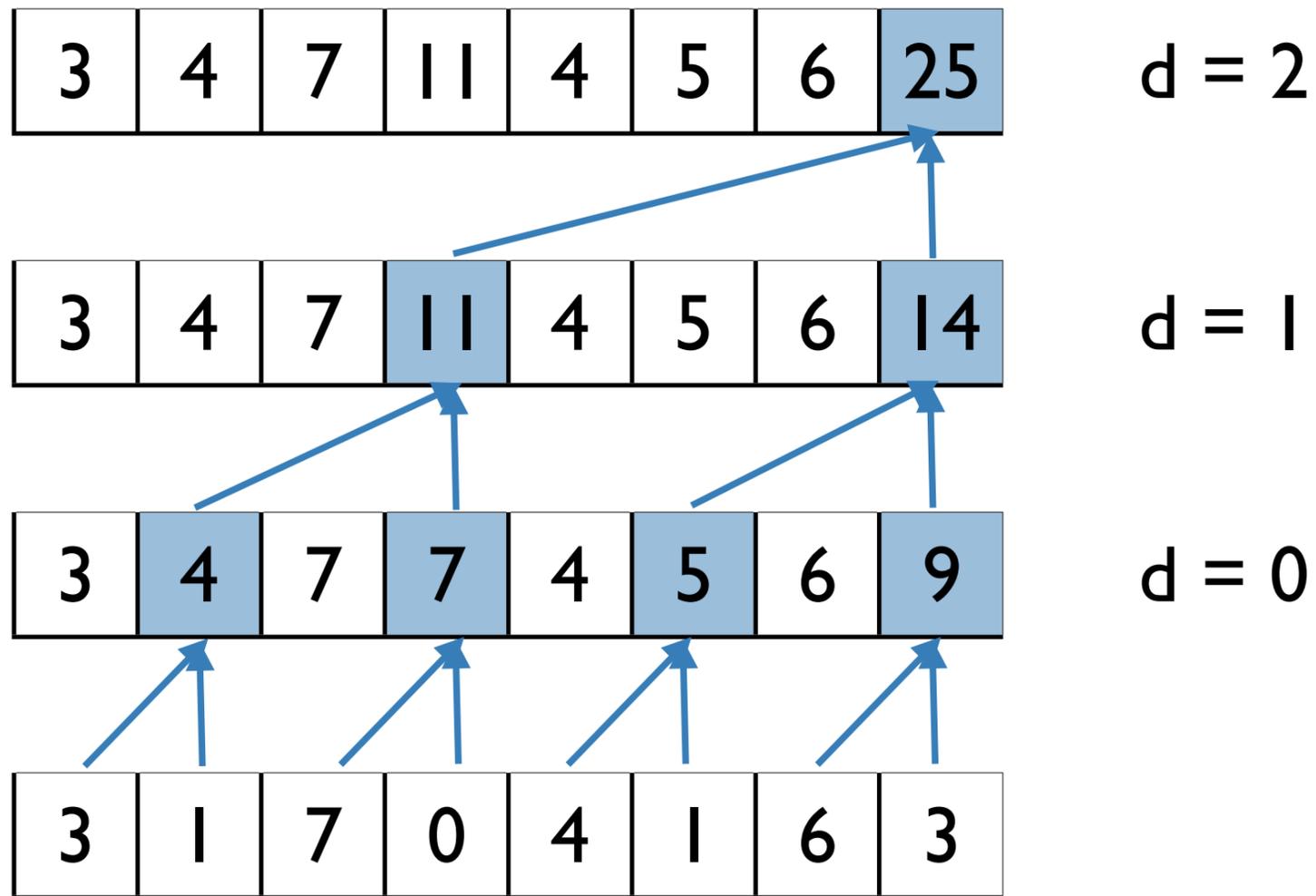
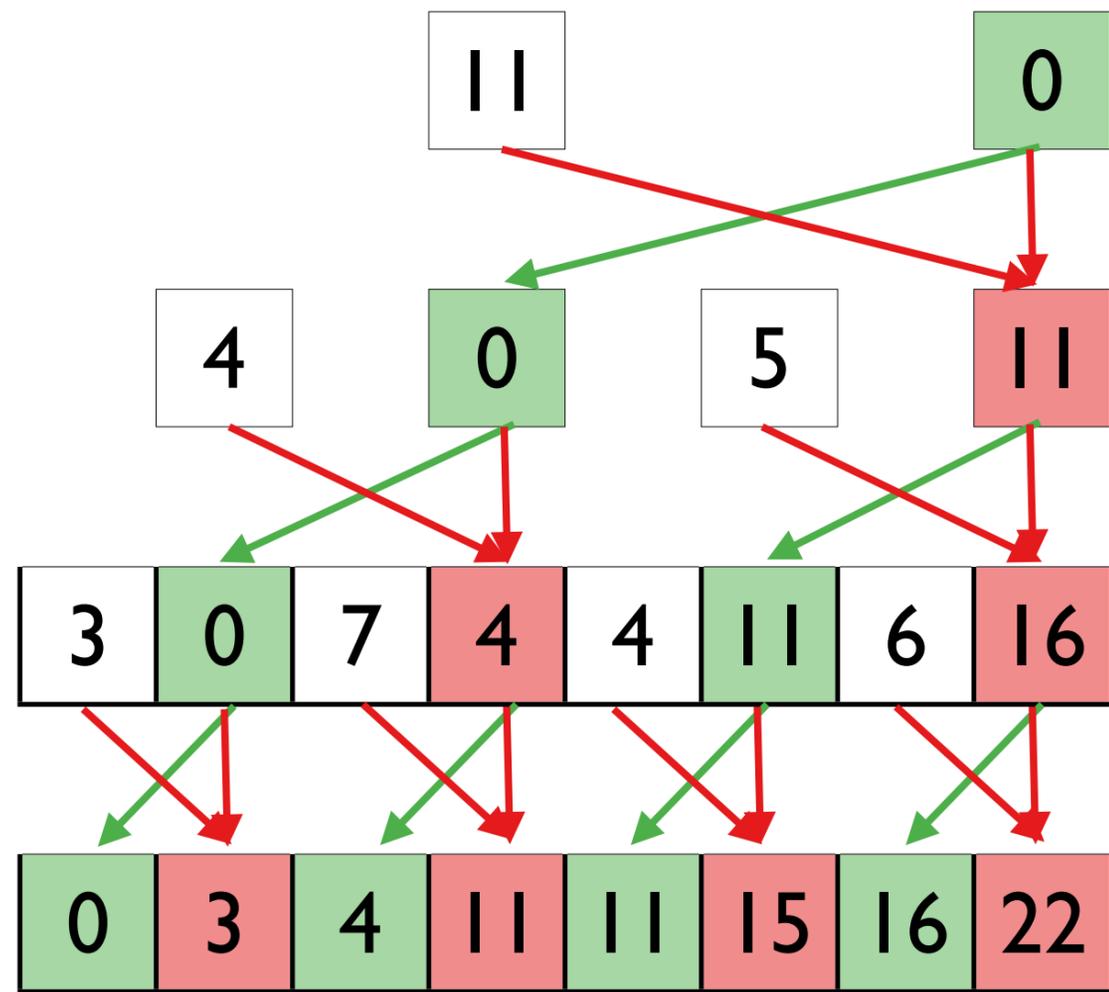
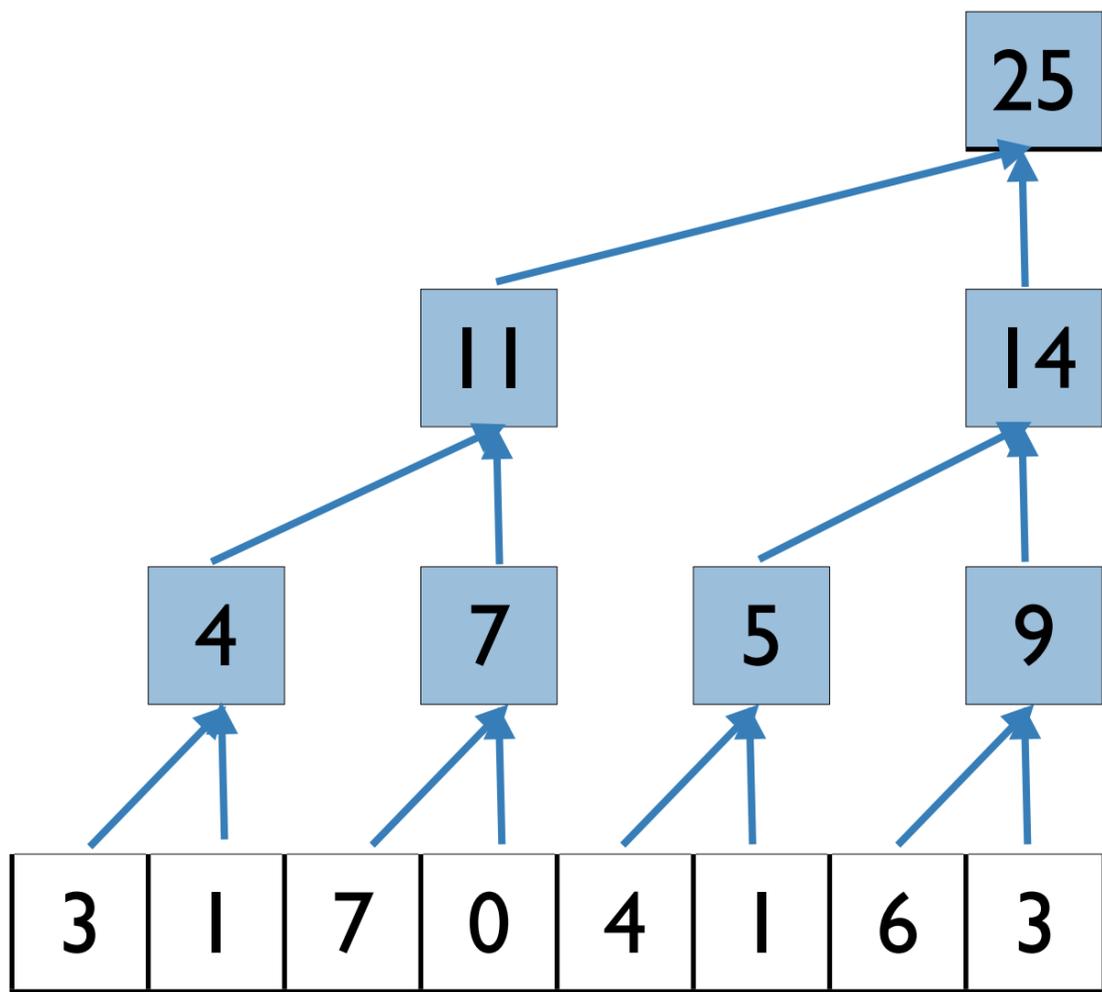


Upsweep



$$\text{sum}[i] := \text{sum}[L_i] + \text{sum}[R_i]$$

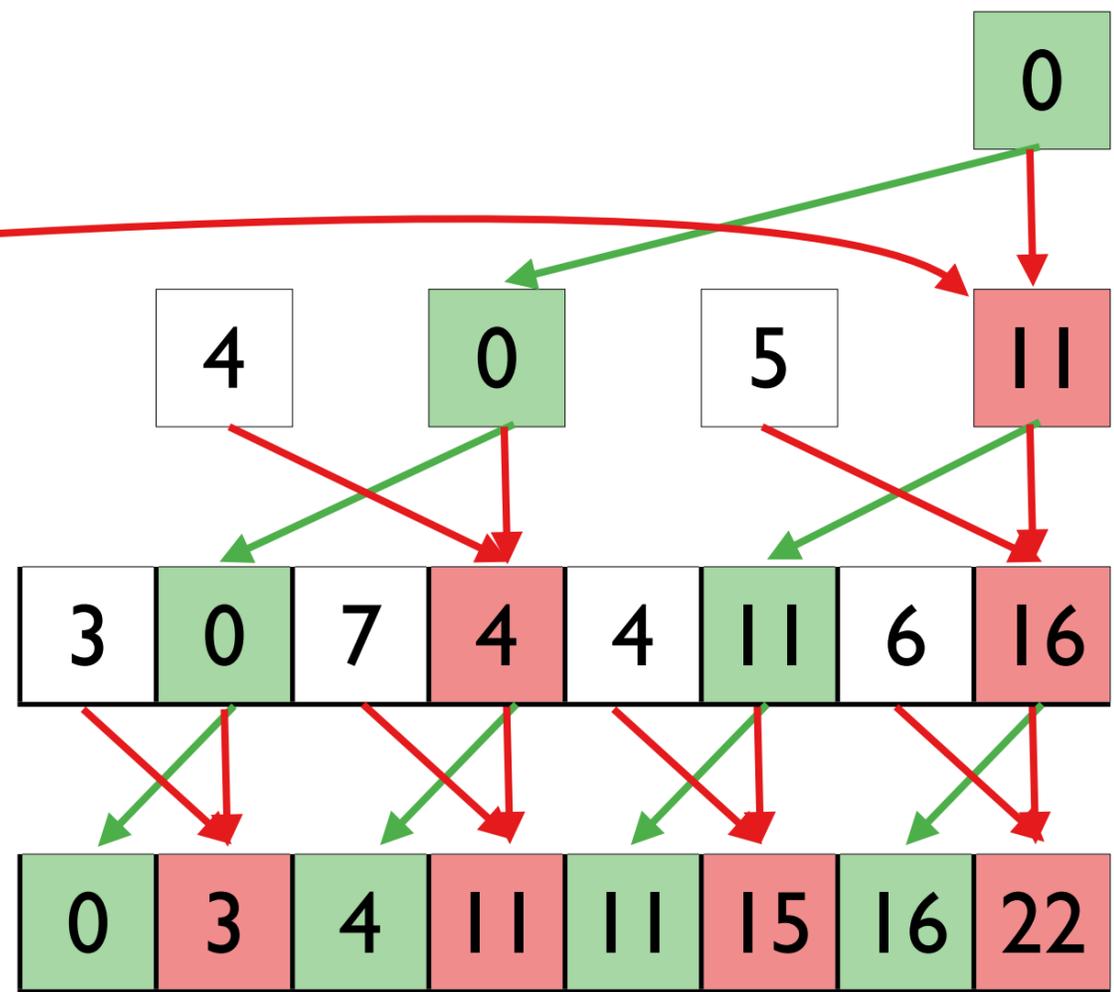
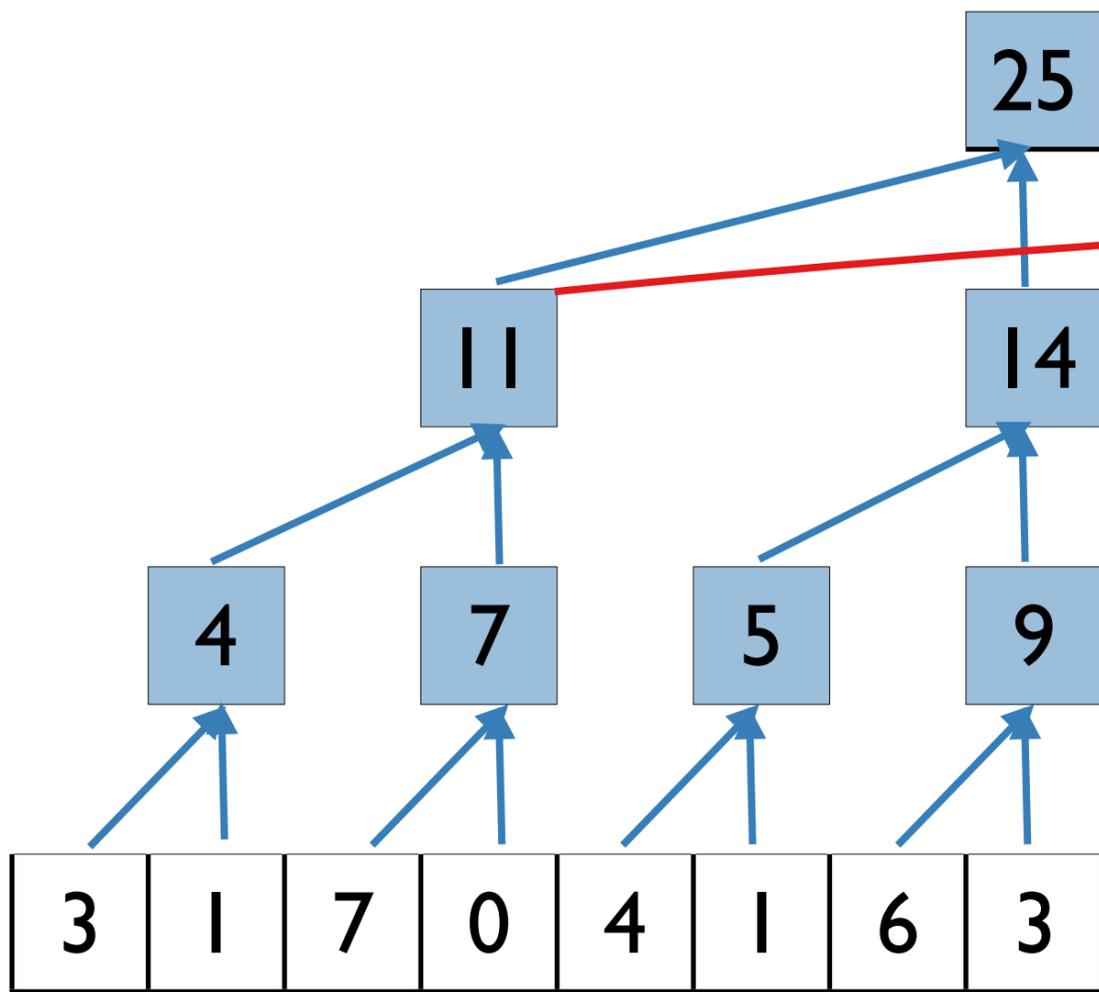
Downsweep (again)



$\text{out}[L_i] := \text{out}[i]$

$\text{out}[R_i] := \text{sum}[L_i] + \text{out}[i]$

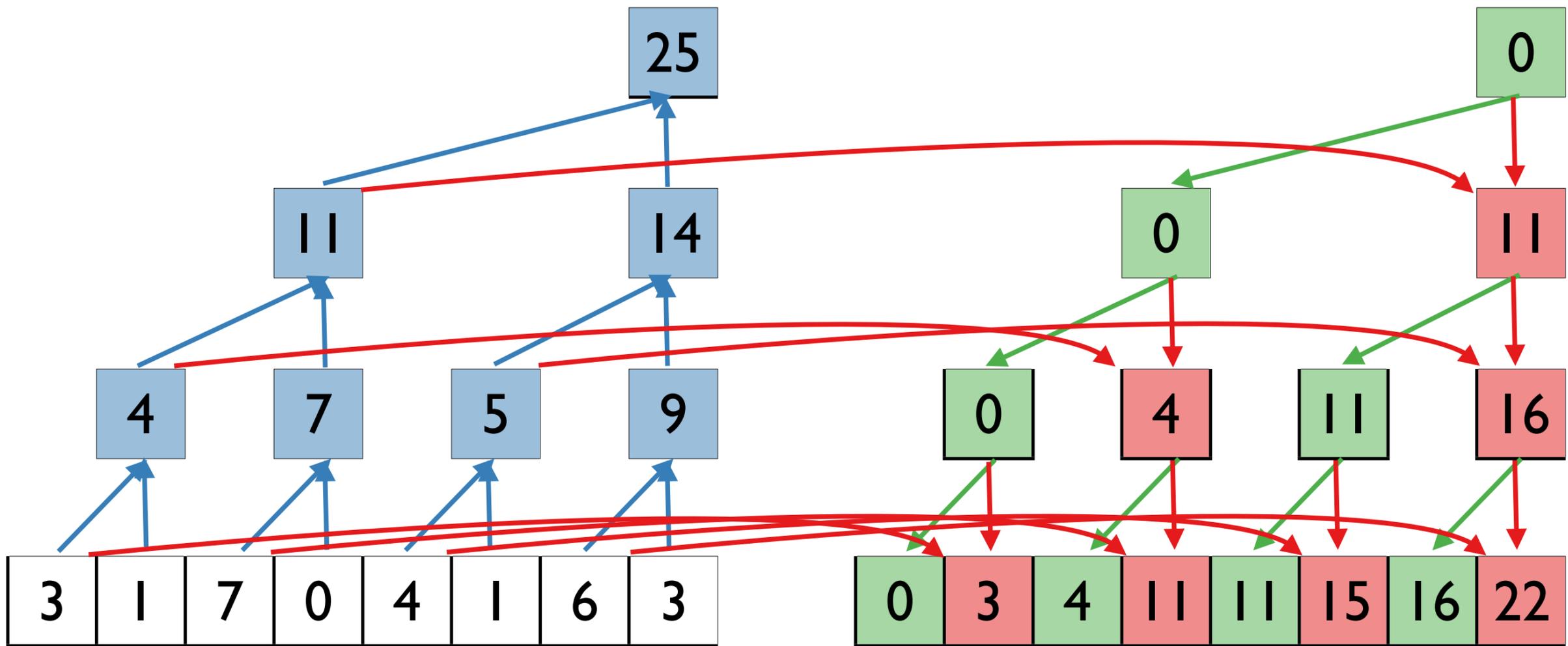
Downsweep (again)



`out[Li] := out[i]`

`out[Ri] := sum[Li] + out[i]`

Downsweep (again)



$\text{out}[L_i] := \text{out}[i]$

$\text{out}[R_i] := \text{sum}[L_i] + \text{out}[i]$