



Ripple Carry Adder 16

→ $as = 0 \Rightarrow$ addition
 $= 1 \Rightarrow$ subtractⁿ

→ $oc = 0 \Rightarrow$ no overflow
 $= 1 \Rightarrow$ overflow

→ $C_{n-1} \Rightarrow$ carry bit (n-1)
 $C_{out} \Rightarrow$ carry bit (n)

→ $S_{0-16} \Rightarrow$ output sum (16 bit)

Individual Block-Chain

