Prodir - base 
$$(2,10,8,16)$$

Prodir - base  $(2,10,8,16)$ 

Prodir - base  $(2,10,8,16)$ 

Prodir - base  $(2,10,8,16)$ 

Prodir - base  $(2,10,8,16)$ 

Prodir - base  $(2,10,8,16)$ 
 $(10,10,10)$ 

Prodir - base  $(2,10,8,16)$ 
 $(10,10)$ 

Prodir - base  $(2,10,8,16)$ 
 $(10,10)$ 

Prodir - base  $(2,10,8,16)$ 

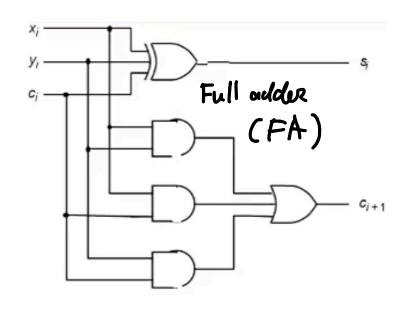
Prodict - base  $(2,10,8,16)$ 

Product - base  $(2,10,16)$ 

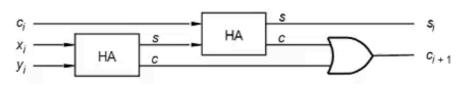
Product - base

HA

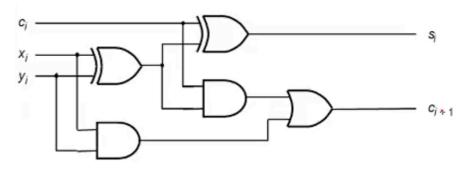
(AH)



$c_i$	$X_i$	$y_i$	C <sub>i+1</sub>	$s_i$
0	0	0	0	0
Ö	0	1	0	1
0	1	ó	ŏ	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

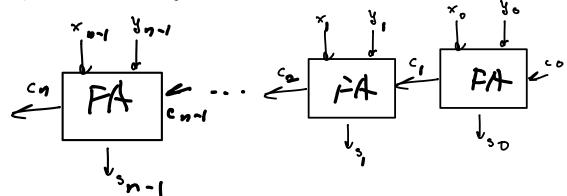


## (a) Block diagram



(b) Detailed diagram

## N-Bit Ripple Carry Adder



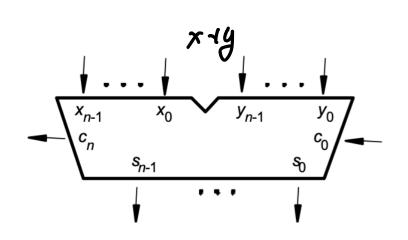
MSB position

LSB position

at - peopogention delay for I FA
not - to tal delay

n left shifts multiply a binnary number by 2"

left shift: 11 -> 110



Same

