Carry dook Ahead Adder			
Ly Carry depends on Sum Ly Speed than Full Adder			
1) Propagation delay of Full Adder is more			
Ly Predict the Carry, which is predicted			
before.		7	
A B	Cin/Co	·	
0 0			i
	1 0	Host FUN	
0	0 0		
AOB=1 $Cin=1=0$	1		
	00-	-> ABB 21, G,	1=0,6=0.
10		ABB21	
511	0	anzi	s high
1211		cin=1  JA A & Bi  Co is	Mgn

6 = A.B + (ABB). Gn Carry Generator Ly In this Carry 6 is generated whin Cin Carry is generated is propagated due to ALB Cin = G+PCin-1 6 = G+PGn Gir- C-1 (Carry SIP) -> Co (Carry OfP) G (carry SIP) -> (2 (Carry OIP)

Cin-F Co=

4 This helps same time. Ly So If C-1 is there I can get any Carry value (3 = G3+P3 G2 = G3+P3 [G2+P2G1+P,P2G0+P,P2BC-1] C3 = G3 + P3 G2 + P2P3G1 + P1P2P3G0 + P1P2P3 (-1 G Go Po Col

G3 = A3. B3 P3 = A30B3 G2= A2.B2 P2 = A2 ( B2 G1 = A1 . B1 PI = AI & BI B.Go = Ao. Bo Po = Ao @ Bo S3 = A3DB3DG