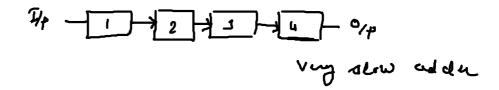
-> Adder: 3-types

- 1) Sena veldu
- 2) paralle adder
- 3) Look whend coury Azin

1) Sovial adder -> 4-61+ adder

La Sievest adda x



2) Parallel addu -> 4- Lit

Ly 4- FA Cercuit

1HA + 3FA Circuit

-> parrallel Aden -> Ripple Coury Addn

Sum -> pennent propagation

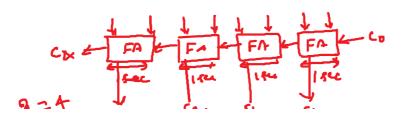
- As compute to sense Azen -> fastu
- -) How carry can be take out parallel 9

Taung = 2m tpd

Here

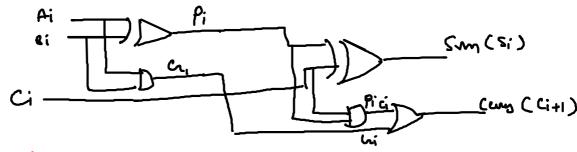
There = total or overall deleg n = no. g bits / blocks tpd = Even blocks deleg

Ex 4-bit adden



EC-201-Lec-9 Page 2

- > PA -> Comp propagation deday
- -> If No. y bits 4 speed of operation 1
- -> LACA ~



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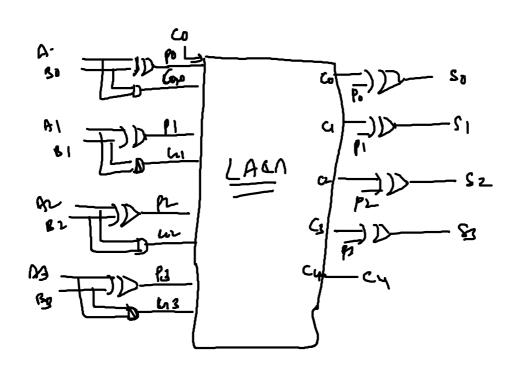
$$C_{i+1} = P_{i}C_{1} + h_{i}$$

$$C_{1} = P_{0}C_{0} + h_{0} \quad \zeta_{1=0}$$

$$C_{2} = P_{1}C_{1} + h_{2} = P_{1}P_{0}C_{0} + P_{1}h_{0} + h_{1} \quad \zeta_{i=1}$$

$$C_{3} = P_{1}C_{2} + h_{2} = P_{2}P_{1}P_{0}C_{0} + P_{3}P_{2}P_{1}P_{0}h_{0} + P_{3}P_{2}h_{1} + h_{2} \quad \zeta_{i=2}$$

$$C_{4} = P_{3}C_{3} + h_{3} = P_{2}P_{1}P_{0}C_{0} + P_{3}P_{2}P_{1}P_{0}h_{0} + P_{3}P_{2}h_{1} + P_{3}h_{1} + P_{3}h_{1} + P_{3}h_{1} + P_{3}h_{1} + P_{3}h_{1} + P_{3}h_{1} + P_{3}h_{2} + P_{3}P_{2}h_{1} + P_{3}h_{2} + P_$$



LACA

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Vry faster sään

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They = 2 sce