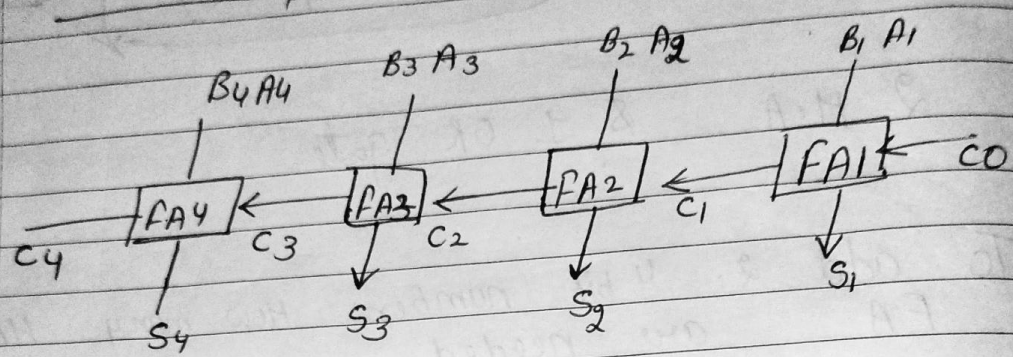


n bit parallel added
 — RFA
 — $2n$ HA
] generalized



$n_1 \rightarrow A_1 A_2 A_3 A_4$
 $n_2 \rightarrow B_1 B_2 B_3 B_4$

BCD adder

Lecture 25

1 Combinatorial circuit which is used to add
 2 , BCD no. 8 previous carry
 4 bit

valid BCD
 0-9

0111	— 7
1000	— 8
<u>1111</u>	— 15 invalid BCD
0110	
<u>10101</u>	
(15) ₁₀	

Carry	1000 — 8
	<u>1000 — 8</u>
	10000
	<u>0110</u>
	1 0110
	(16) ₁₀

