

Complete Course on Theory of Computation

Oconstanct minimal DEA) that accepts all strings of a's Elb's where in everythy stolly Should be a. THI => 2-States a. 5 = a. (a, 6) a.(a) = aa 2-Staly 9.(5) = 45a.(aa) Jaac a. (55) = ass

CMDFA  $L = \begin{cases} 5e4 & ob \\ all \end{cases}$ Stoings our a sebf  $\leq =) (9.6) =) (4+6)^{\dagger}$  1-State = 1+0 = 0  $= \times$   $a \times$ 51 itself final state Item: Note: Start state bydefaut e accepted.

	a	b
>5	Si	52
# 5,	51	51
52	52	5 <sub>Z</sub>

(a + b) (a + b) (a + b)

a concete- 6 a followed by

a Union b

L={ Set of all strings excluding E ow a.b ( CMDFA  $\leq$  (ar) (a.4)111 (State) !  $(S_0)$   $(S_1)$   $(S_1)$   $(S_1)$ (a+ b) 5.5 RR F-S not same

CODDEA

Thanks Dedicate HAG

Tresde

DFA - Linite lage - Dead State manday