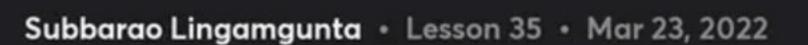
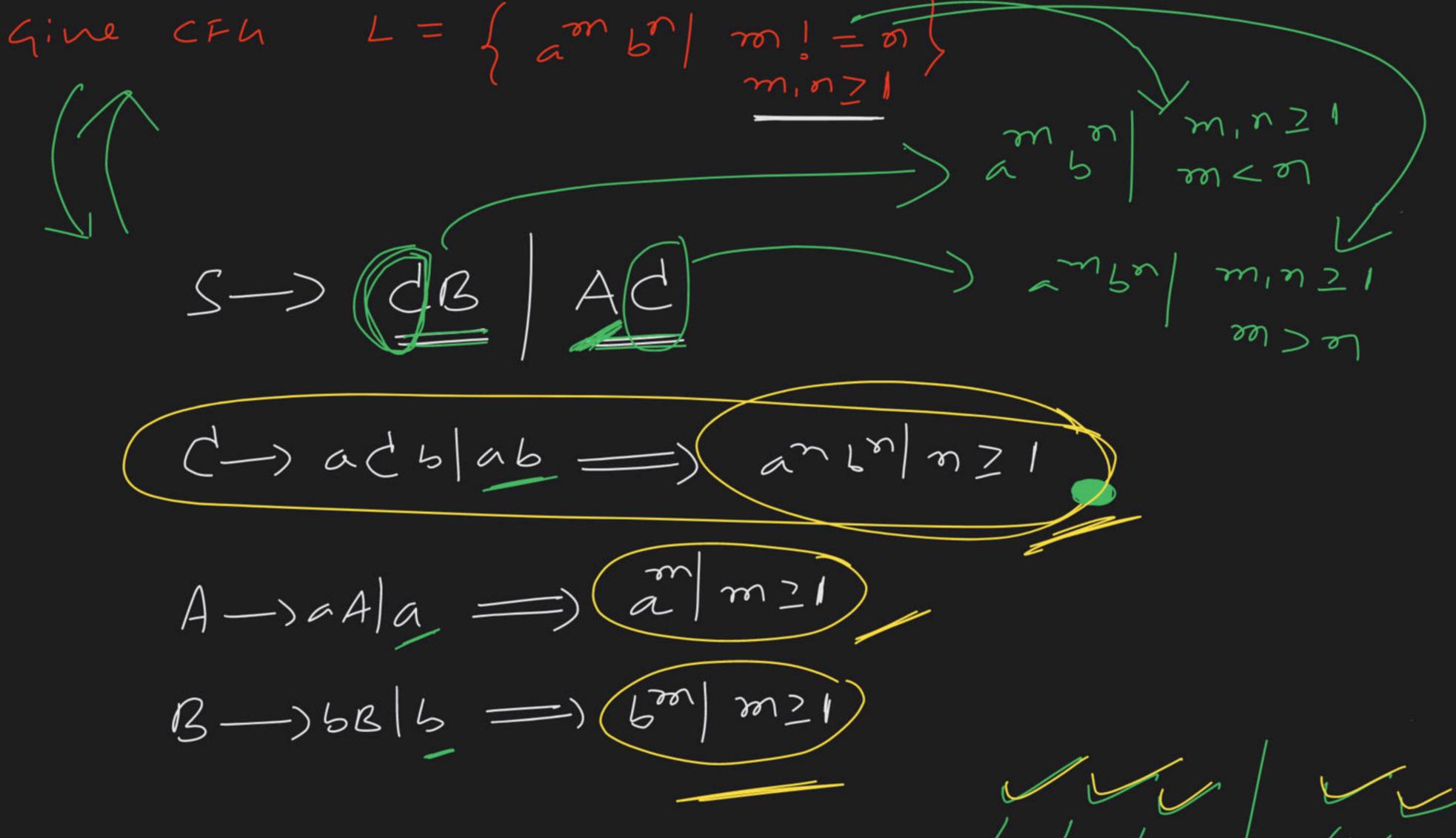


Complete Course on Theory of Computation





L= { Set of all valid belemed parently 1/((()))) y. ((()())) 5. (((())))() (5)

ex 50

L= {504 of all strings of a's 12 6's Whe number d'5 42 65 very maa 6666 (5) 655 aaaa a6a6a6a6 5a5a5a5a abbaabbav

$$S \rightarrow a S b S | b S a S | E \Rightarrow aaabbbaasse}$$

$$(ax)$$

$$S \rightarrow a S b | b S a | E | S S$$

$$T \rightarrow a S b | b S a | E | S S$$

$$T \rightarrow a S b | b S a | E | S S$$

$$T \rightarrow a S b | b S a | E | S S$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

$$T \rightarrow a S b | b S a S | E \Rightarrow aaabbbaasse}$$

 $W \in (a + b)$ $N \in (a + b)$ give CFG L={W/ 5-) asa s bs b s asas asbs as aab/95/ Give CFG L={ Set of all A· E ownth a+b a+60a a-6 6-a-a a/b+a-b+a-

Operand => 9,5,0 0 paratus=)+, b

Thanks All
Dedicte