

Date:....

Purhdown Automata

- Computational model that recognizers

CFL (context-free language)

colomoxy Ladi

- PDA - NFA pained with otack

It is similar to NFA

- works with only important transitions
- can have eppilon transition
- CFG has memory of at most two

- 8 - stack input [different from alphabet

input t item that
current item that
stack top will be
that will pushed
be popped



٦	at	0	٠																				ð	
J	aı	C		٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	

- moving from one votate to another

means E, E -> E

PDA Examples

2={0"1"; n70}

0,670 1,076

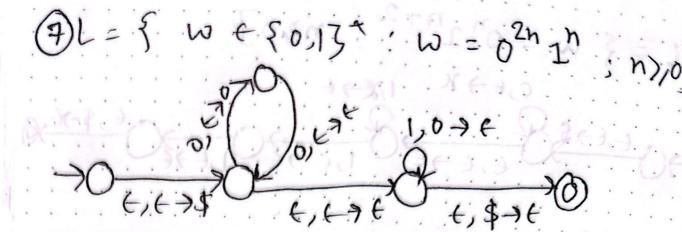
Scanned with

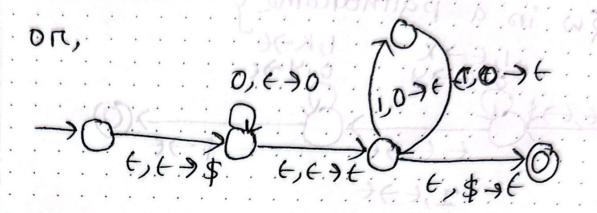
CS CamScanner

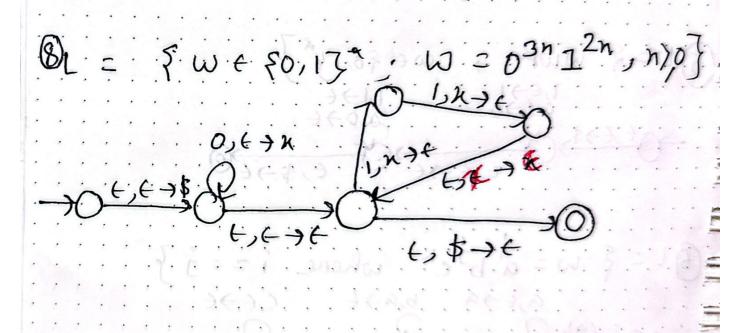
The scanner of the sca

Date:....











Date:.....

j > i+k; i,k),o}

0 1 1 1 1 2 K

 $\frac{0,6+1}{0}$ $\frac{0}{6,6+1}$ $\frac{0}{6,6+1}$

@ £,\$>6 P2,4*

$$a, \epsilon > \alpha$$
 $b, \epsilon > \alpha$ $c, \alpha > \epsilon$

$$0 \xrightarrow{\epsilon, \epsilon > \epsilon} Q \xrightarrow{\epsilon, \epsilon > \epsilon} Q \xrightarrow{\epsilon, \epsilon > \epsilon} Q \xrightarrow{\epsilon, \epsilon > \epsilon} Q$$



Date:.....

(41) L= { the count of a in w in multiple of 3}

b, $t \rightarrow t$ b, $t \rightarrow$ $a, t \rightarrow t$ $a, t \rightarrow t$ $a, t \rightarrow t$

(12) Γ $W_1 # w_2$; the number of 00' in W_1 in the name as the number of 11' in W_2 ?

1,676 0,67K 0,676 1,676 6,576 1,676 0,676 1,676 6,576



Date:.....

L={w+{0,13}: no of 0's & 1's are equal in w}

Him - punh all 0's & 1's in stack. [Pop. 1's for 0's & 0's for 1's]

0, € →0 | 1,0→€ 1,0→€ 1,0→€

+06,676 C,676 C,576

のルグラート

-0 E, E - S - E C