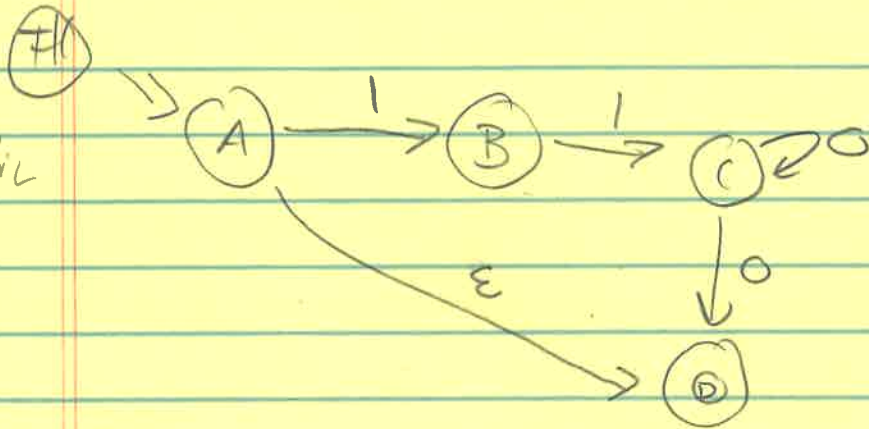


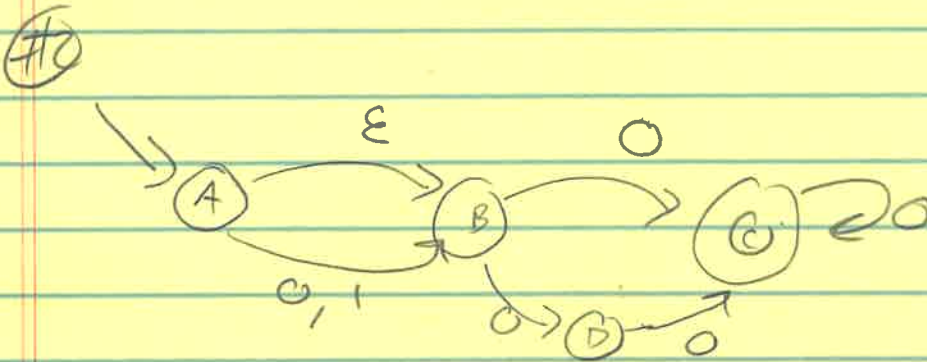
NFAs

TJ, Pengsi,
Jasper, SudL



$\epsilon + 110^*$

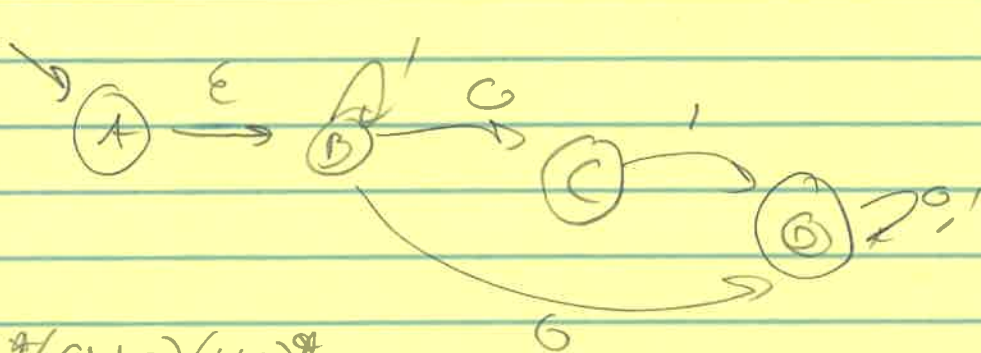
YB, Henry,
Celina



$0^* + 10^*$

CJS

Eric
Ryan

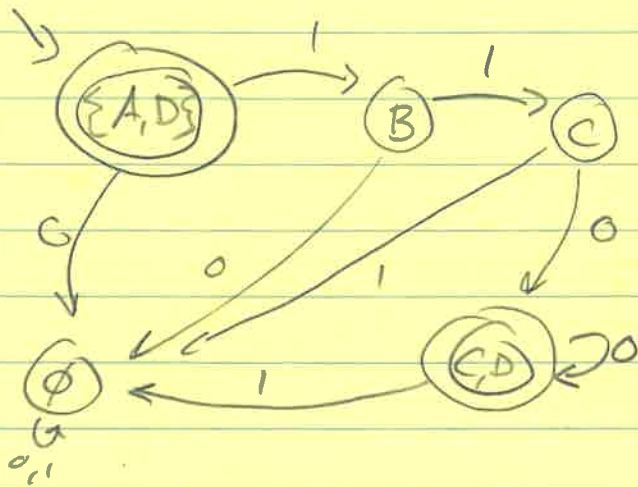


$1^*(01+0)(1+0)^*$

DFA's

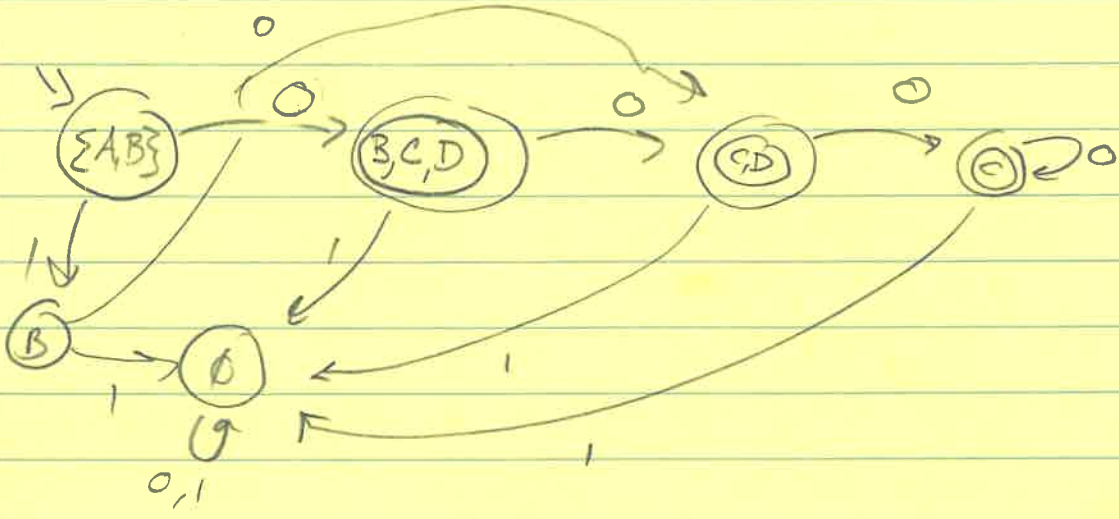
#1

→, Pengji,
Aspen, Suica



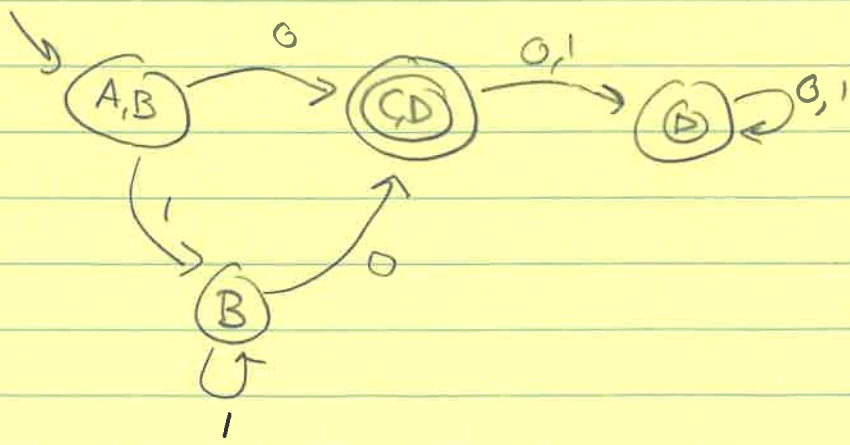
#2

Yizhen,
cdms



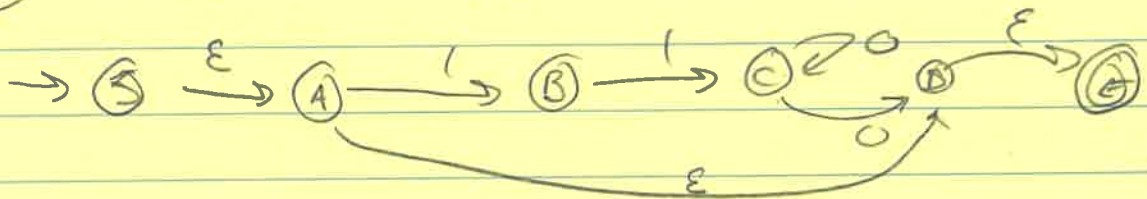
#3

CS,
Eric, Ryan

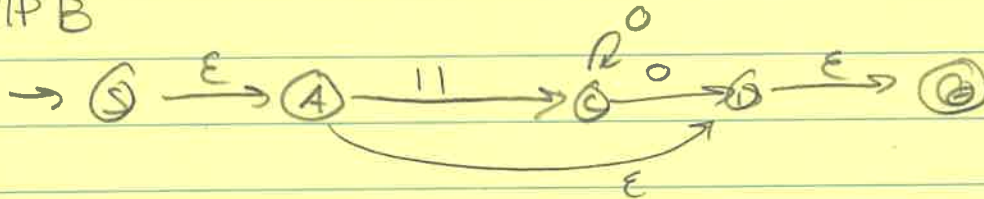


Starting from Page 1 NFA

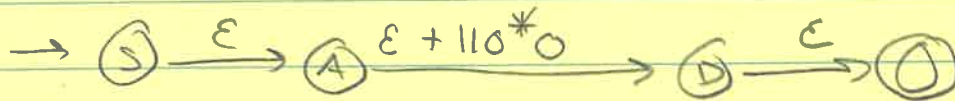
#1 RIPS NFA \rightarrow RE



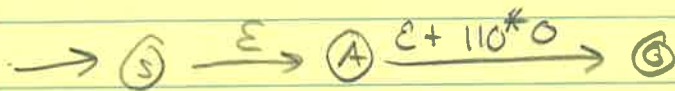
RIP B



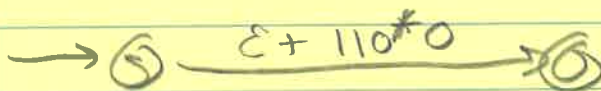
RIP C



RIP D



RIP A



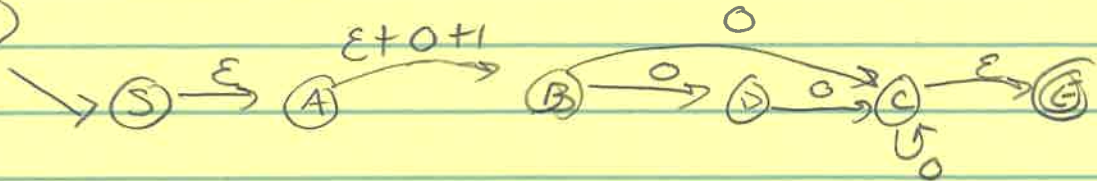
$L = \{ w \mid w \text{ is } \epsilon \text{ or } 11 \text{ followed by one or more } 0s \}$

STARTING FROM PAGE 1 NFAs

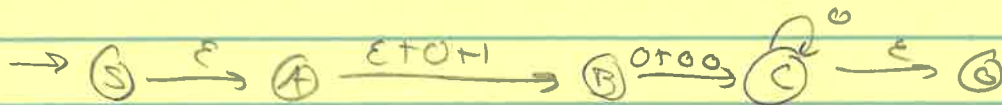
RIPs NFA \rightarrow RE

Page 4 of 5

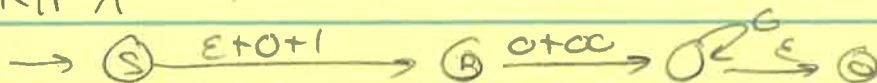
#2



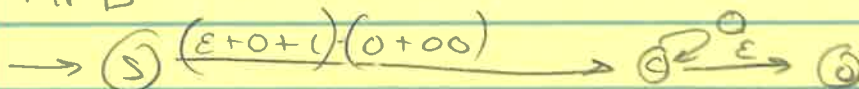
RIP D (YOU MIGHT NOTICE I RIP THE STATES WITH THE LEAST AMOUNT GOING ON)



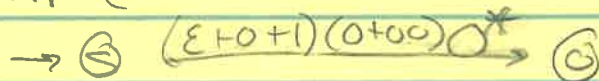
RIP A



RIP B



RIP C



$$= 00^* + 100^*$$

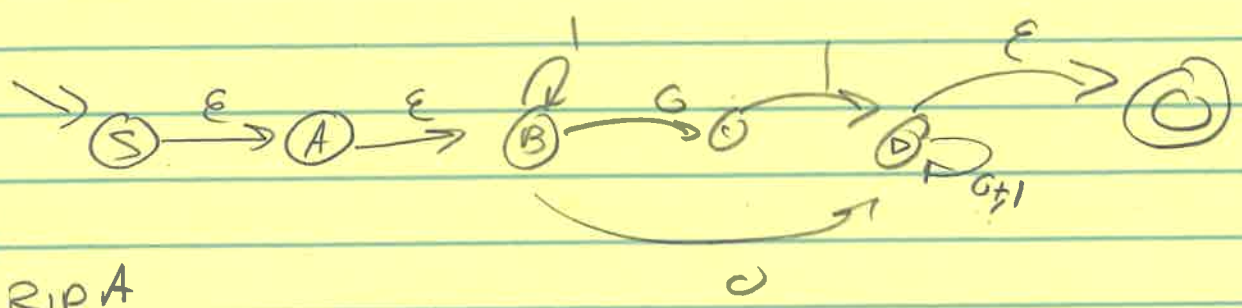
$$= (\epsilon+1)00^*$$

$L = \{w \mid w \text{ is either one or more } 0\text{s}$
 or $1 \text{ followed by one or more } 0\text{s}\}$

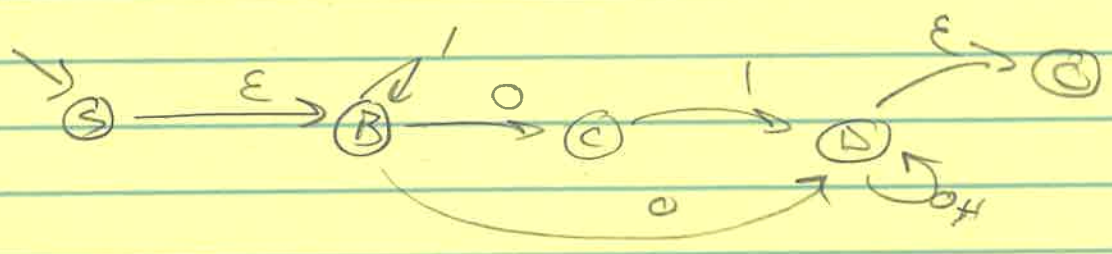
RIPS

Starting from Page 1 NFA (DIFFERENT RIP ORDERS MAY GIVE DIFFERENT RESULTS)
 NFA \rightarrow RE

#3



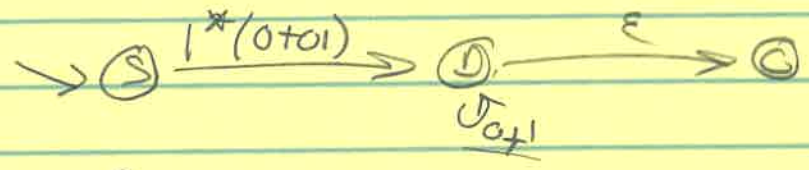
RIP A



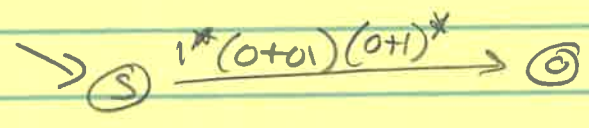
RIP C



RIP B



RIP D



$1^*0(0+1)^*$

$L = \{w \mid w \text{ contains a } 0\}$

