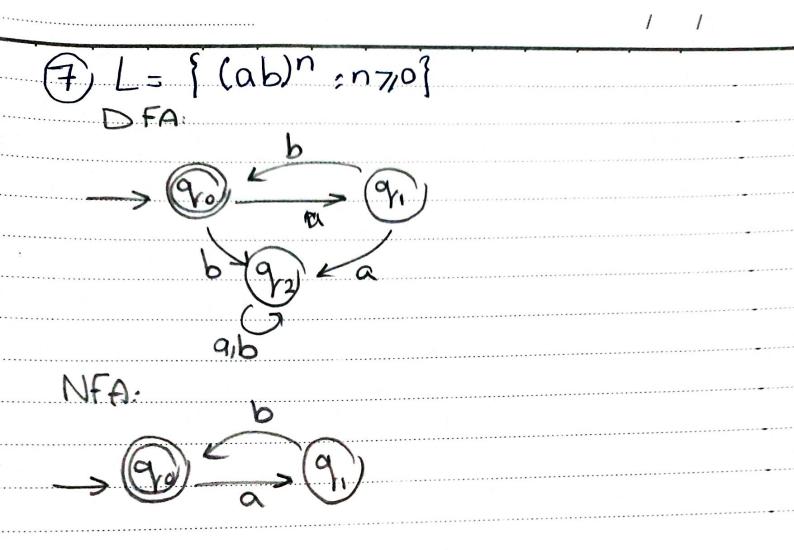
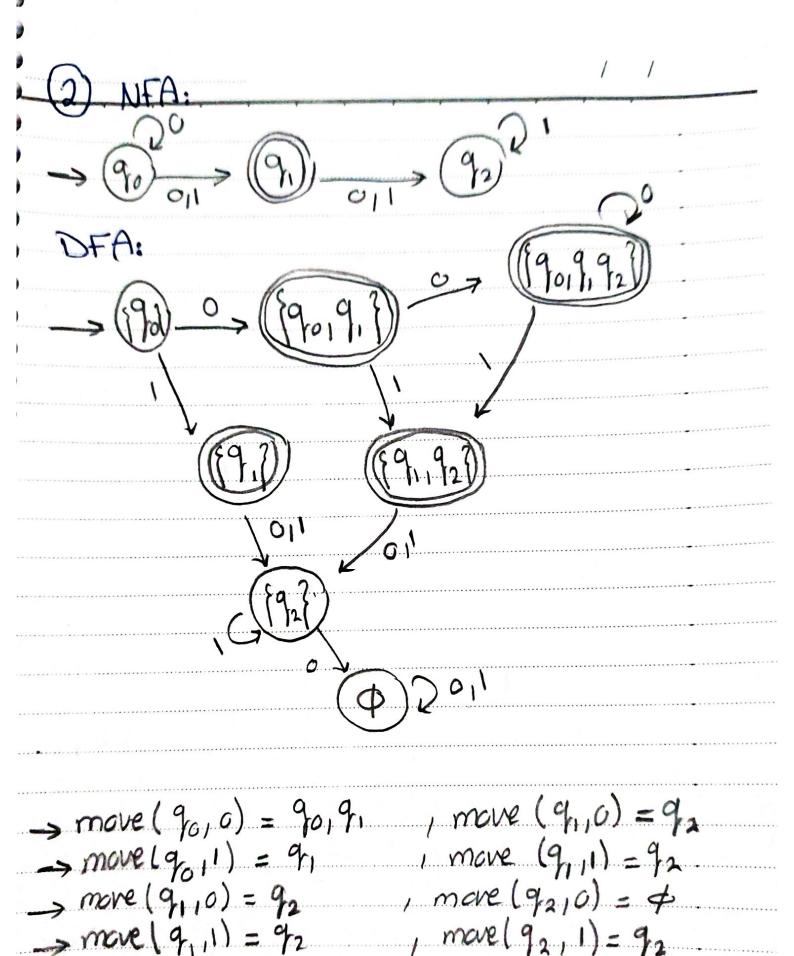


صنو الحطارة

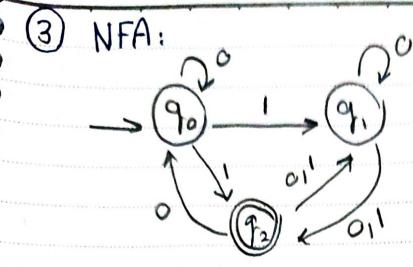
ALMANIA IN



Convert from NFA to DFA:
Steps:
O Create anew DFA with stort status of NFA 2) for each state in DFA, find the set of states it can reach on agreen input
of states it can reach on agreen input
symbol.
(3) if set of states obtained in step 2
(3) if set of states obtained in step 2 is not already astate in the DFA, Addit.
(4) Repeat step 2 and 3 untile no more new states added to DFA.
new states added to DFA.
5) final state in the DFA is an accepting
state if it contains at least one
accepting state from NFA.
-
* Correct the following NFA to DFA:
* Conversion in the contraction of the contraction
(1) National (2)
$\rightarrow (70) \rightarrow (1) \rightarrow (1)$
DFA:
- (593) 1 - (690,911) - > (190,92)



-> move (9010)=9019, , move (9,10)=92, move (9210)=\$
-> move (9011)=91, move (9111)=92, move (9211)=92



$$DFA,$$

$$\Rightarrow (90) \xrightarrow{1} \Rightarrow (9,92) \xrightarrow{0} (999,92)$$

move
$$(9,0) = 9,92$$
, move $(92,0) = 90$
move $(9,11) = 92$, move $(92,11) = 91$
move $(90,0) = 90$, move $(9,10) = 91,192$, move $(92,10) = 91192$
move $(90,1) = 91192$, move $(91,11) = 92$, mae $(92,11) = 91$