053311 Nov. 26, 2012 Monday

Last century:

NFA-A to OFA

steps:

1. write the travition function of N include a column for each state's 2-closure.

state a b 2-closure

90 Sport U

81, Sport U

2. define the start state of M: 2-closer of the start stake of N.

3. construct the trastition fuction of N.

3. state a b (x redundant A)

2 - close of A)

1 - close of B

A respect B

A - close of B

A - close of B

7 = (a U b) * bc

r, to NFA-A 1. convert

NFA-A to DFA-2. convert

the DFA on each wi. 3. Simulate

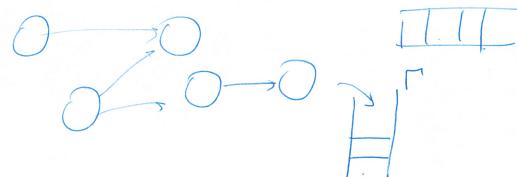
If DFA accepts Wi ET

if DFA rejects with.

Seetier 7.1 Rohdown Automata.

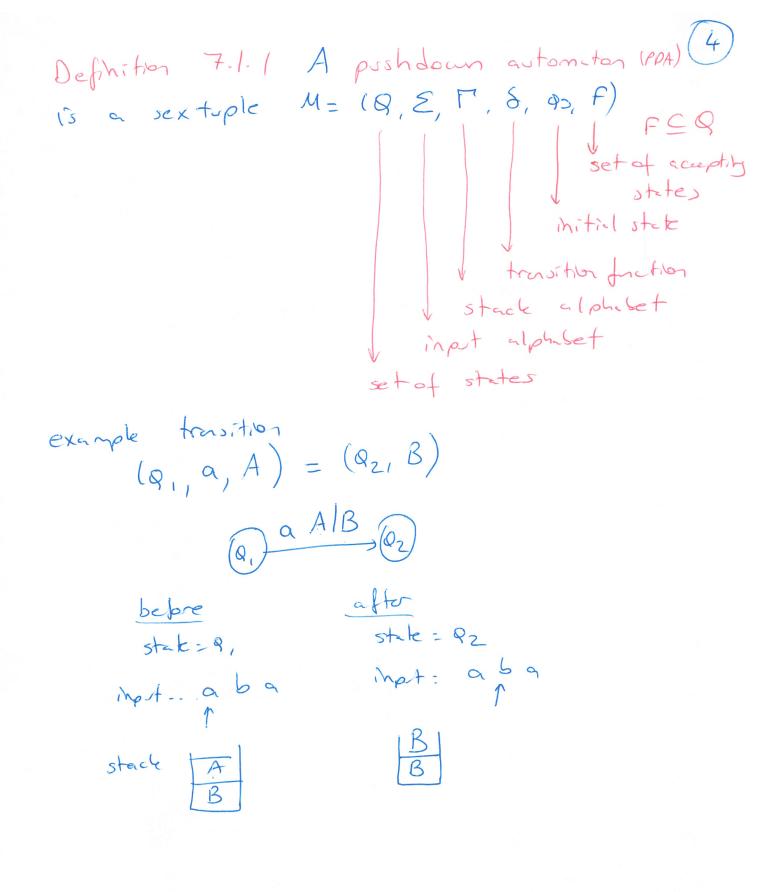
PDA

an NFA-2 with a stack. A PDA is



} a i b i l i > 0 }

If we have a PDA, how can we recognize storys from 3 a = 6 = 1 = > 0 } the stack pop for wald be push for each "b" empty each "all so on A state state connot be popped acceptace conditions soco to 1. read the entire impt dead state. 2. mot be at an accepting state 6 2/2 3. the stack must be empty It is important to remember that all three above mot be met.



Example transitions hooling 2 2 2/2 does not does not read does not read read the the innt the imput input, Joes not pap, does not pop, only pops, does only prohes does not proh. not push 3 wcw / w & Sa, 53 * } abcba abbcbb abbcbab proh until the separator pop until empty recognizing recogniting (metching) the put -fluthe separator the put before the separator

