Automada
Week 9
4/24/2019

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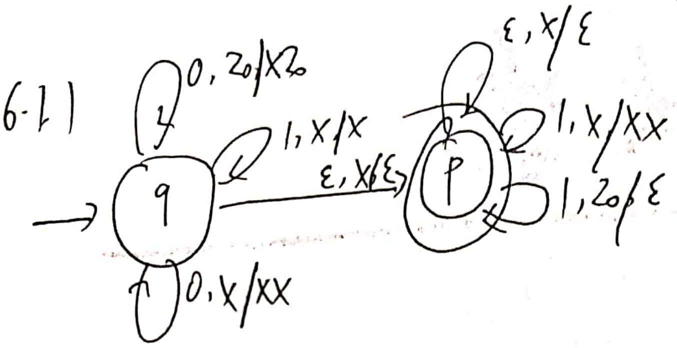
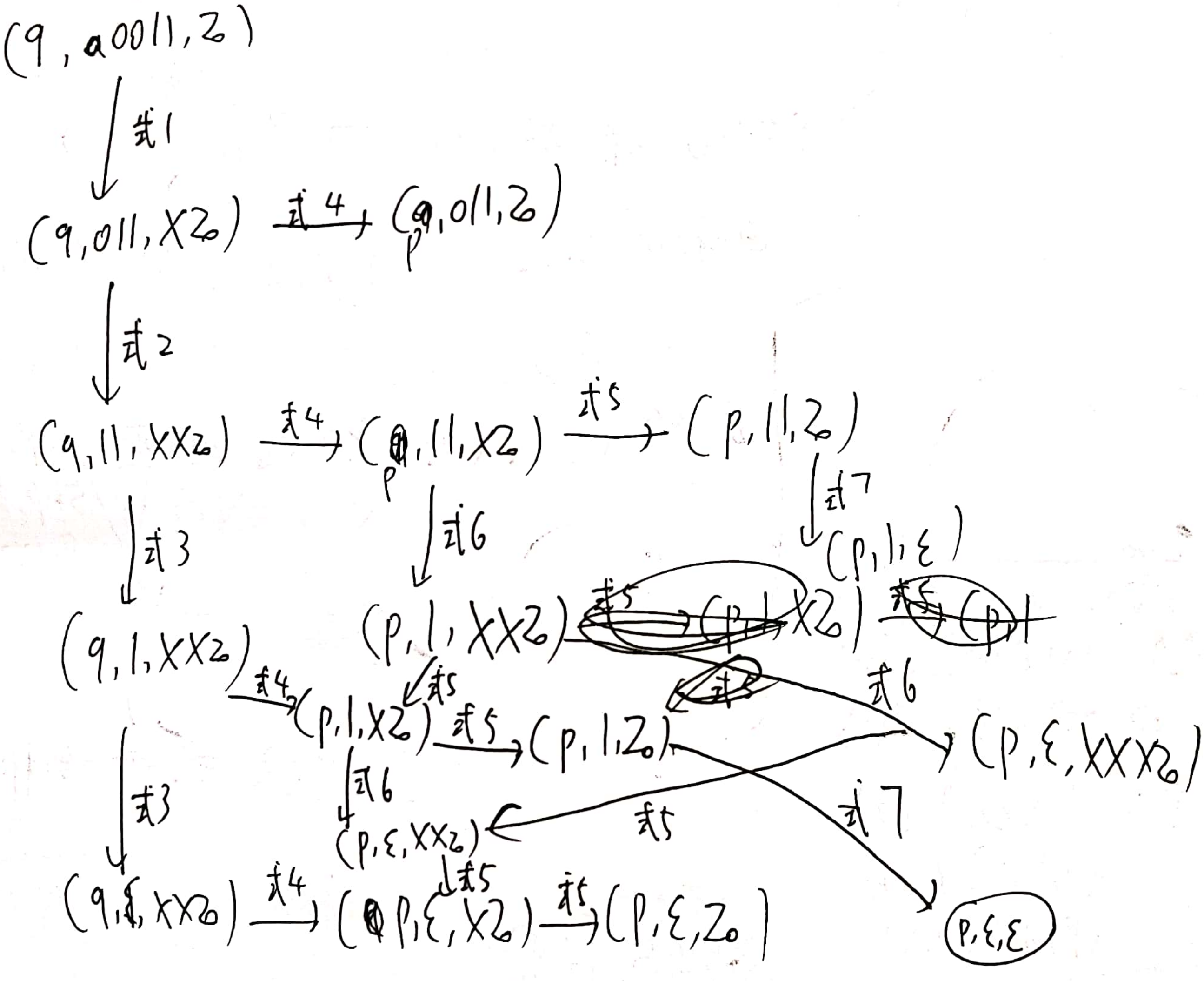
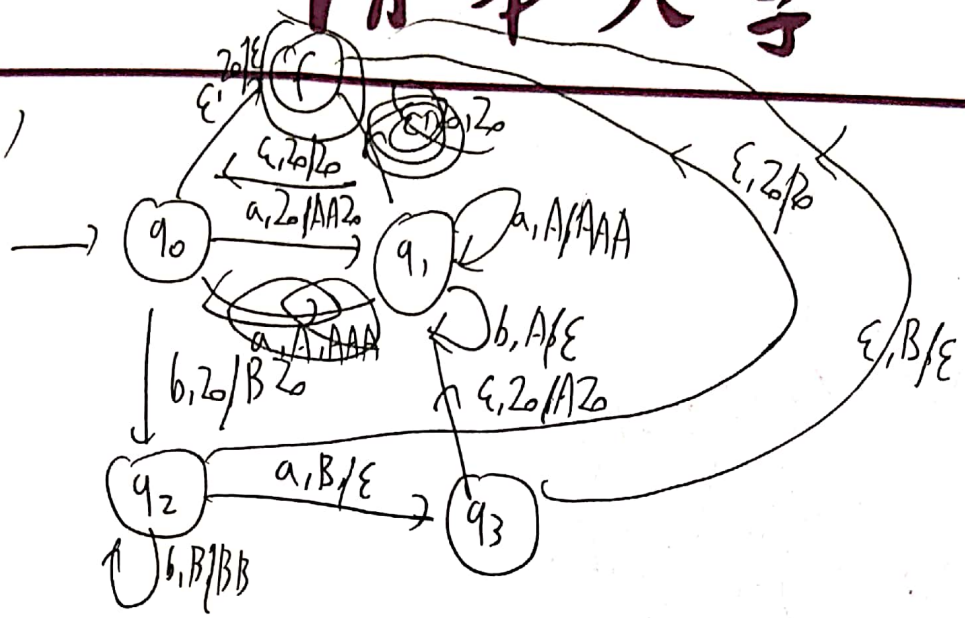
[illegible]
2017013569

6.1.1





6.2.5 (b)



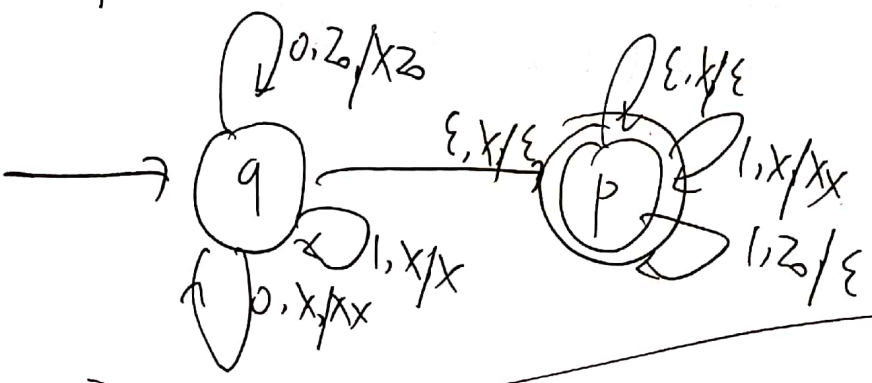
$(q_0, abb, Z_0) \vdash (q_1, bb, AAZ_0) \vdash (q_1, b, AZ_0)$

$\vdash (q_1, \varepsilon, Z_0) \vdash$ ~~$(f, \varepsilon, \varepsilon)$~~

$(q_0, \varepsilon, Z_0) \vdash (f, \varepsilon, \varepsilon)$

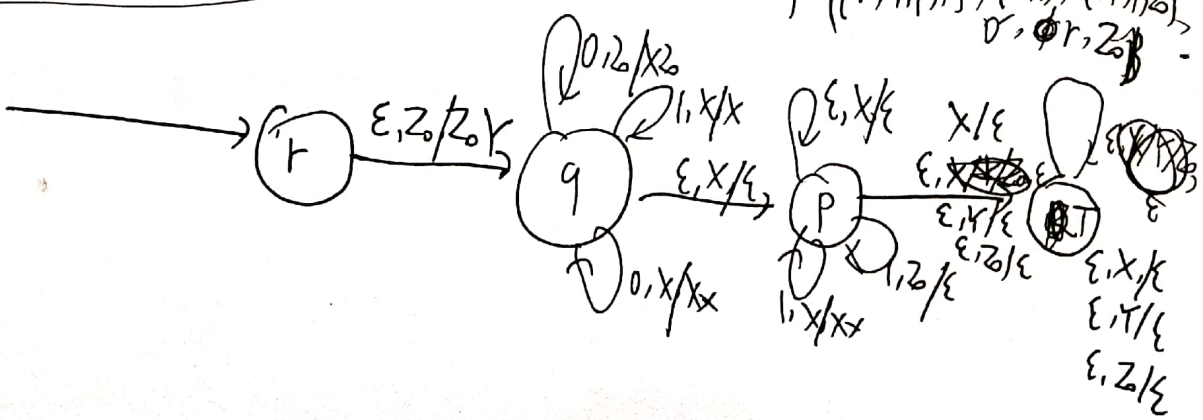
6.2.6:

P:

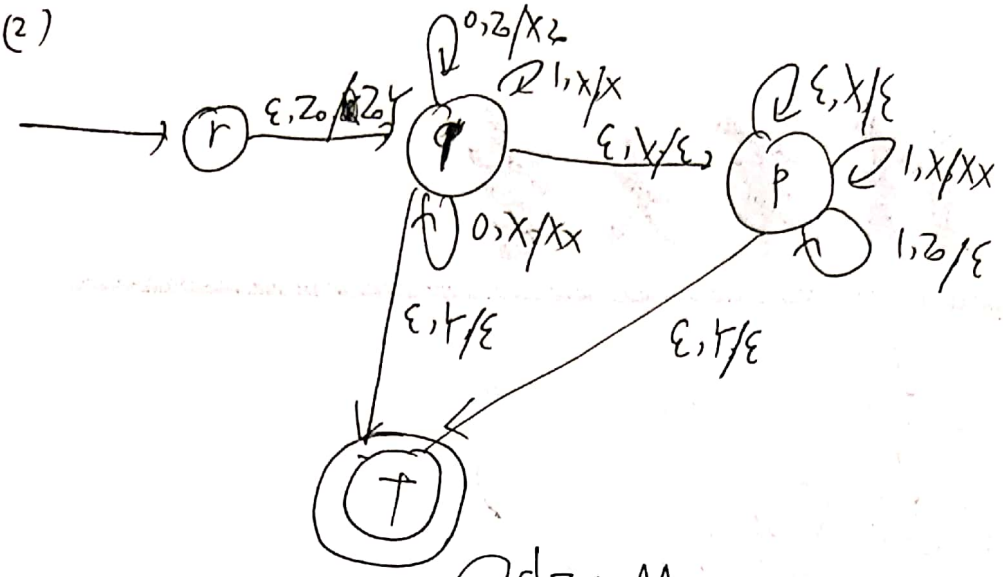


PDA为 $P = (\{r, q, p, f\}, \{0, 1\}, \{X, Z_0\}, \delta, r, Z_0)$

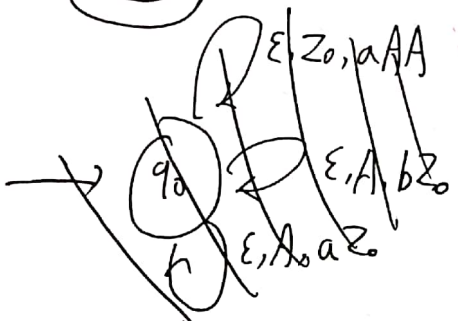
P_1:



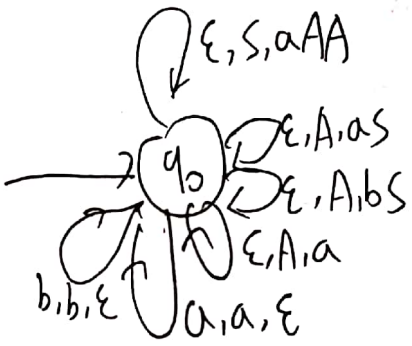
(2)



6.3.2



$P = (\{q_0\}, \{a,b\}, \{S,A,a,b\}, \sigma, q_0, S)$



① $\sigma(q_0, \varepsilon, S) = \{(q_0, aAA)\}$

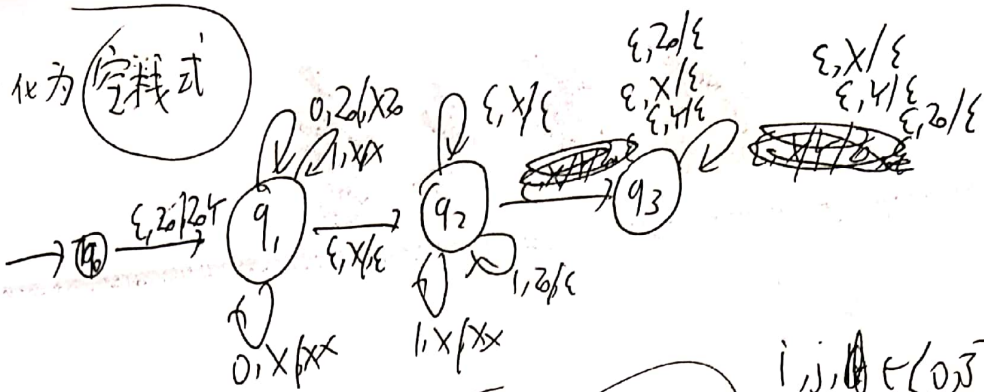
② $\sigma(q_0, \varepsilon, A) = \{(q_0, aS), (q_0, bS), (q_0, a)\}$

③ $\sigma(q_0, a, a) = \{(q_0, \varepsilon)\}$

④ $\sigma(q_0, b, b) = \{(q_0, \varepsilon)\}$

int

6.34 先转化为(完栈式)



$i,j,k \in [0,3]$, $i,j,k \in Z$

$S \to [q_0 Z_0 q_i]$

$[q_1, X, q_2] \to \varepsilon$

$[q_2, Z_0, q_2] \to 1$

$[q_2, X, q_2] \to \varepsilon$

$[q_2, X, q_3] \to \varepsilon$

$[q_2, Y, q_3] \to \varepsilon$

$[q_2, Z_0, q_3] \to \varepsilon$

$[q_3, X, q_3] \to \varepsilon$

$[q_3, Y, q_3] \to \varepsilon$

$(q_3, Z_0, q_3] \to \varepsilon$

$[q_0, Z_0, q_1] \to [q_0, Z_0, q_i][q_i, Y, q_1]$

$[q_1, X, q_i] \to 1[q_1, X, q_i]$

$[q_1, Z_0, q_i] \to 0[q_1, X, q_j][q_j, Z_0, q_i]$

$[q_1, X, q_i] \to 0[q_1, X, q_j][q_j, X, q_i]$

$[q_2, X, q_i] \to 1[q_2, X, q_j][q_j, X, q_i]$

(1)

6.3.5: