Formal Languages Professor Sherri Shulman Final Owen Meyer S-ABBBCSBS 1) S-ABBCS  $A \rightarrow \alpha A \mid C$ A -aA | Cla B -> 668/6 B -> 66B 6 c - cC/c C - cC/2 S-AB B'B'B/B BCS BS S -> AB 66B 6 BCS BS A -> A'A C'C C G A > aA | cC | c | a B- 668 6 B -> B'B'B 6 ( >cC c C-CCC S-ABB'T, 6 BT2 BS A -> A'A | C'C | c | a 3-B'T, 6 C > C'C | c T, -> B'B 1, -> CS

CNC 2012

3.)  $S \rightarrow AT \begin{vmatrix} AB \end{vmatrix} \qquad \begin{vmatrix} A & S, X & T & \emptyset \\ B & \emptyset & \emptyset \end{vmatrix}$   $T \rightarrow XB \qquad 3 \qquad B \qquad B$   $X \rightarrow AT \begin{vmatrix} AB & Y & B & B \end{vmatrix}$ 

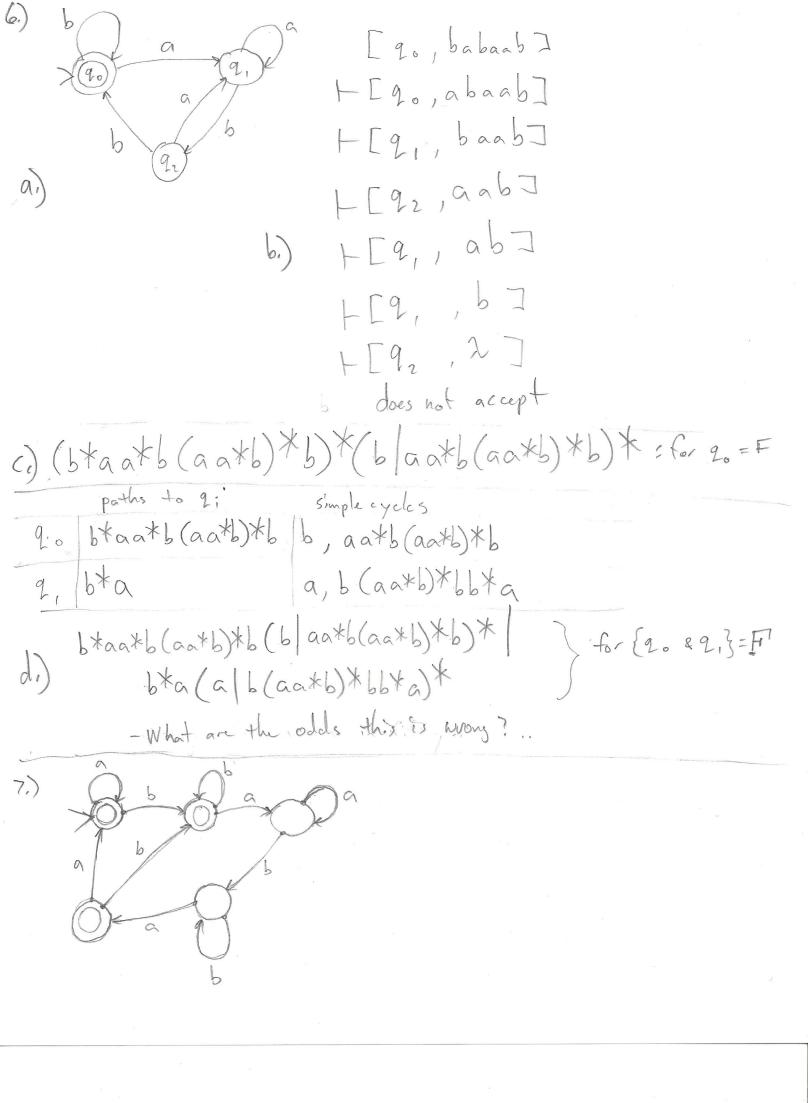
Ana

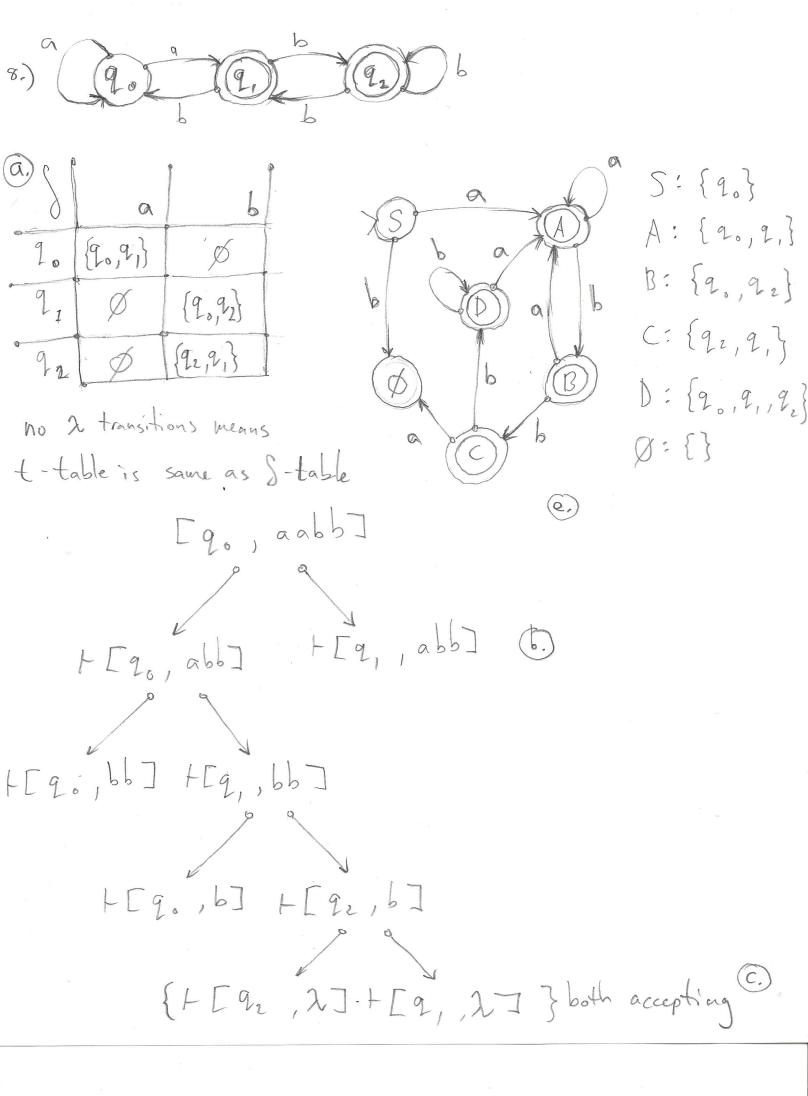
B>>b

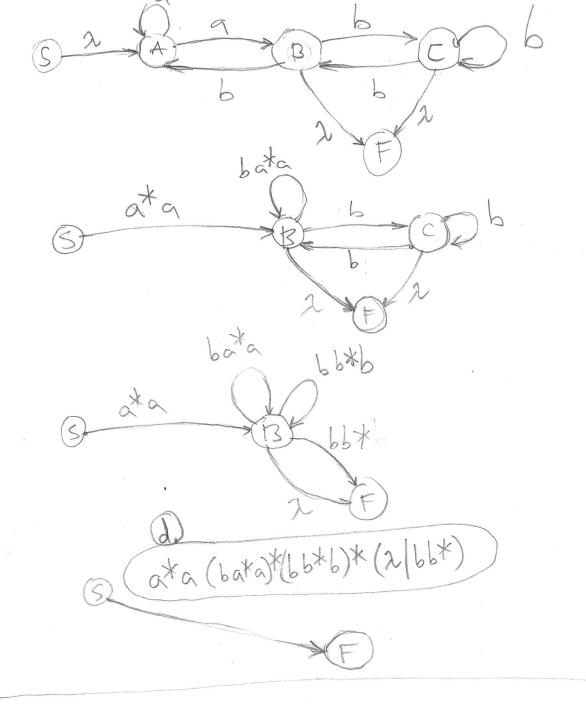
a a b b b
1 2 3 4 5

		. 1	3	4	5
	A	Ø	Ø	Ø	Ø
2	e de l'article de la constant de la	A	S,X		Ø
2			B	Ø	Ø
4				B	Ø
T		1	Double		B

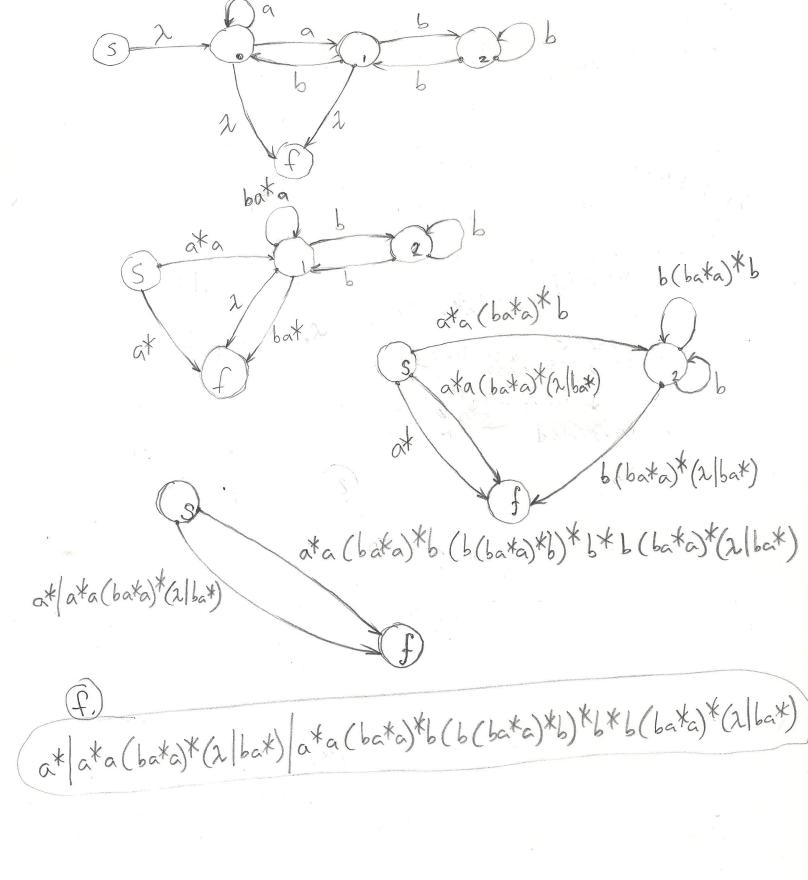
S-A/C A -> B a BR, aR, S-A/C A -> AaB | AaC | B | a R, -aBlaClaBR, aCR, B-> Bb | Cb B- Cb CbR2 C-> cC/c R2-b bR2 S-AB S-AB A -> BB aa A-BB/CC B-AblaA B B-ADICA ( 7 a S-AB A-3BB aa B-aablaabRilaAlaAR. R, - Bb BbR, S-aabBB|aabR,BB|aABB|aAR,BB|aaB A-aabBlaabR,BlaABlaAR,Blaa B-aablaabRilaAlaAR. R. maabblaabR, blaAblaAk, b R, 3 aabbR, aabR, bR, aAbR, aAR, bR,

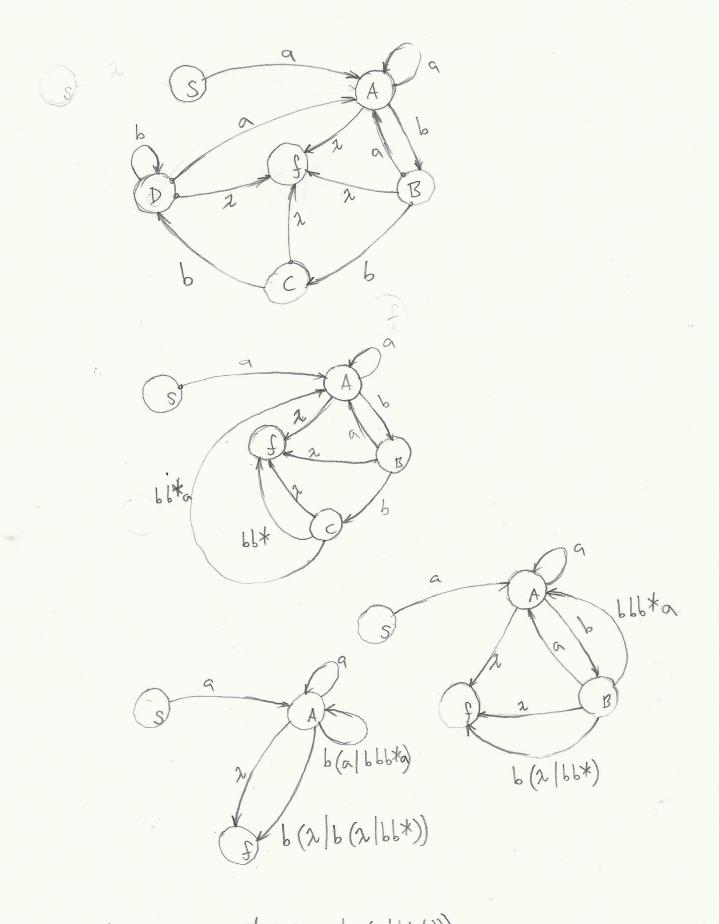






Note:
This should be the same as the RE derived from the equivalent
DFA (although mistakes are probable), and f.) should be the same
with just 2 being added in to d.) (Looking at the DFA, changing
{90,93 to be the acquiry states just adds the start state
to the F states and all the other Fstates remain.





Ga(a/b(a/bb/xa))\* (2/b(2/b(2/bb\*))) @

is this equal to d. ? should be, but probable mistakes...