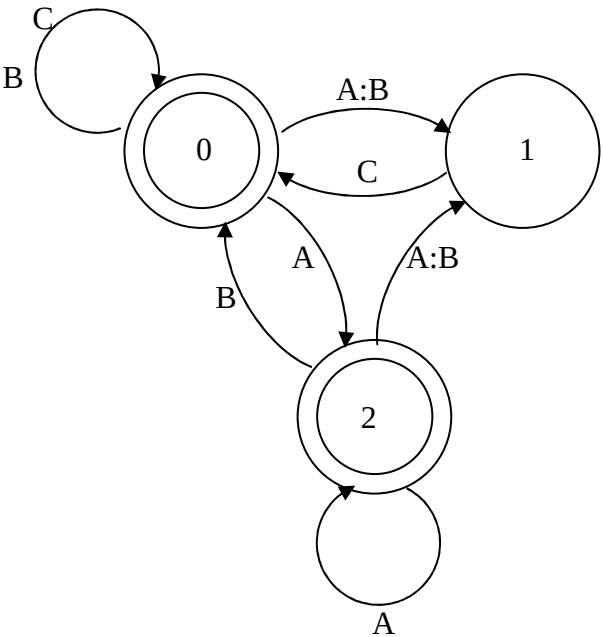


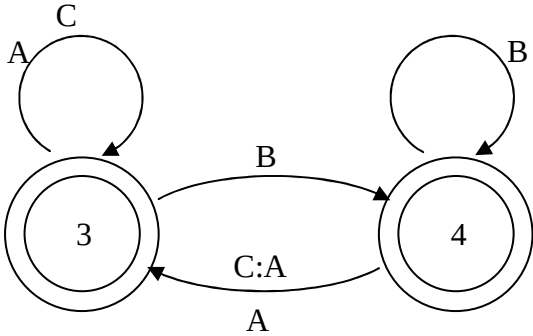
Linguistics 472 / CSE 472
Lab October 15, 2004

Rule 1: $A \rightarrow B / _ C$



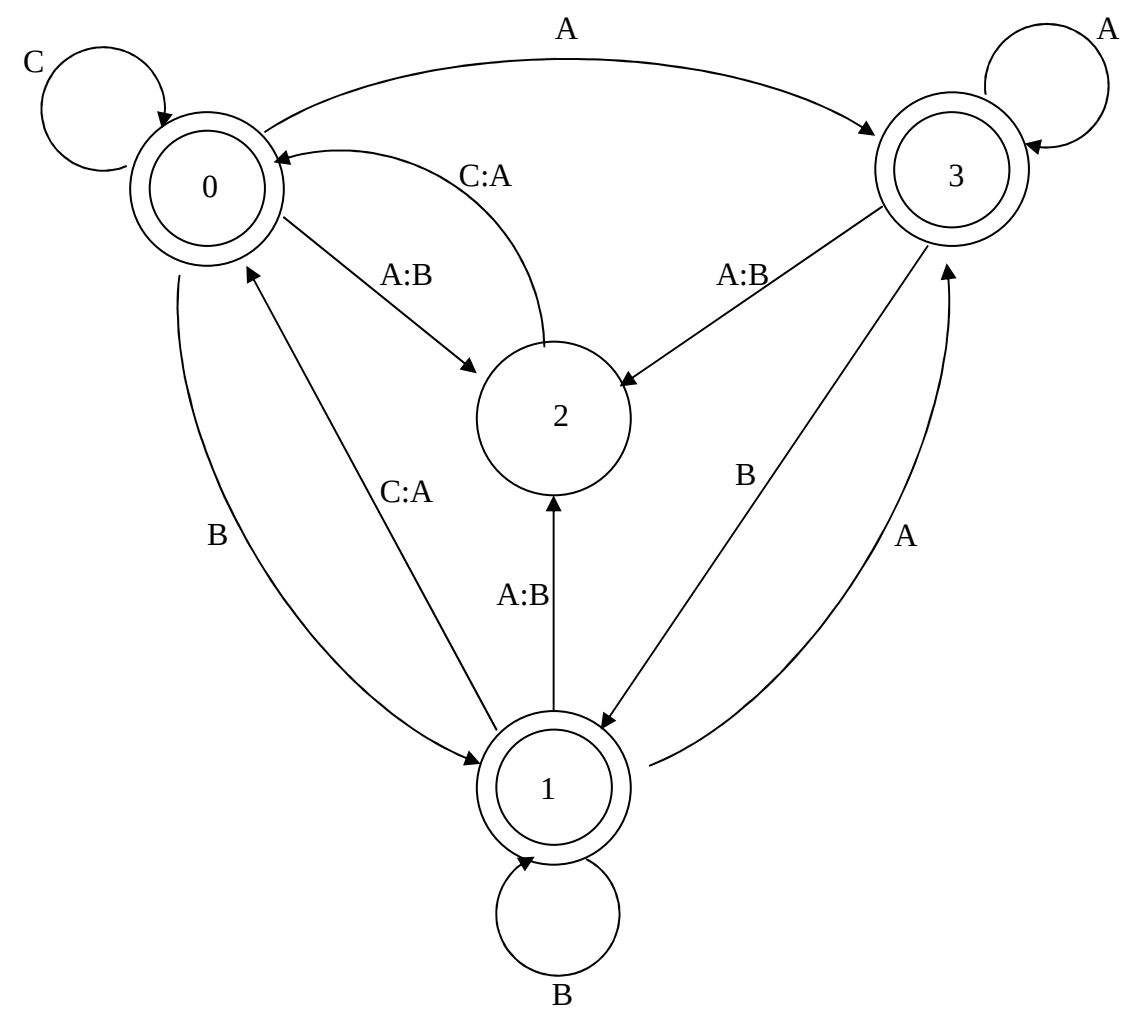
	A:A	A:B	B:B	C:C
q0:	q2	q1	q0	q0
q1	-	-	-	q0
q2:	q2	q1	q0	-

Rule 2: $C \rightarrow A / B _$



	A:A	B:B	C:A	C:C
q3	q3	q4	-	q3
q4	q3	q4	q3	-

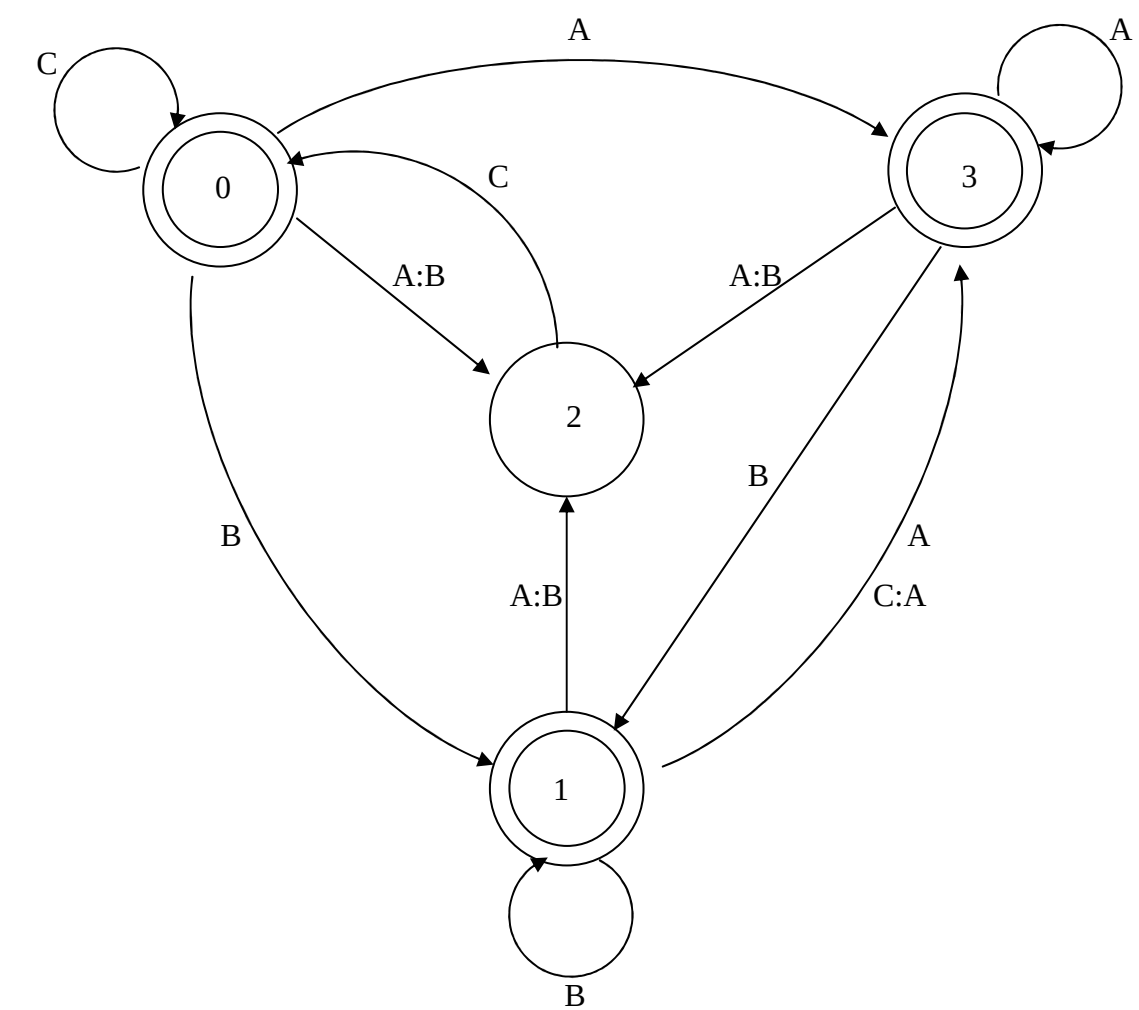
Rule 1 composed with Rule 2:



	A:A	A:B	B:B	C:A	C:C
q0-q3	q2-q3	q1-q4	q0-q4	-	q0-q3
q0-q4	q2-q3	q1-q4	q0-q4	q0-q3	-
q1-q3	-	-	-	-	q0-q3
q1-q4	-	-	-	q0-q3	-
q2-q3	q2-q3	q1-q4	q0-q4	-	-
q2-q4	q2-q3	q1-q4	q0-q4	-	-

	A:A	A:B	B:B	C:A	C:C
0	3	2	1	-	0
1	3	2	1	0	-
2	-	-	-	0	-
3	3	2	1	-	-

Rule 2 composed with Rule 1:



	A:A	A:B	B:B	C:A	C:C
0	3	2	1	-	0
1	3	2	1	3	-
2	-	-	-	-	0
3	3	2	1	-	-

(Problematic) grammar for “Kim adores snow in Oslo”:

S → NP VP	NP → Kim
VP → V NP	NP → snow
VP → V	NP → Oslo
VP → VP PP	V → adores
PP → P NP	V → snores
NP → NP PP	P → in