CSE 5700-Confilers Chiter 3 Problems

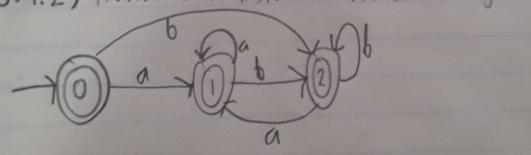
3.3.6)
a) [A-Ja-j]

b) [bcdfghjklmnpgrstvwxzy]

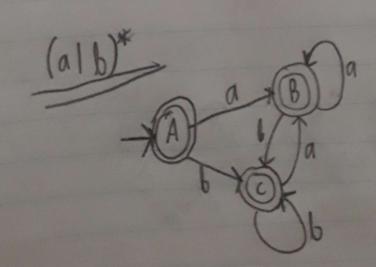
() [0-9a-f]

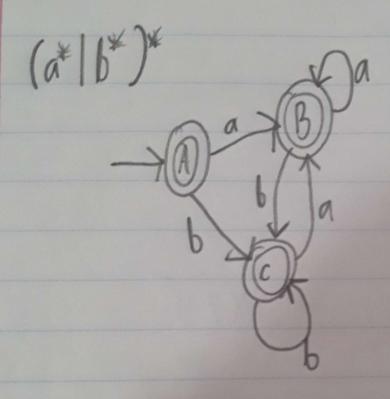
d) [!!]

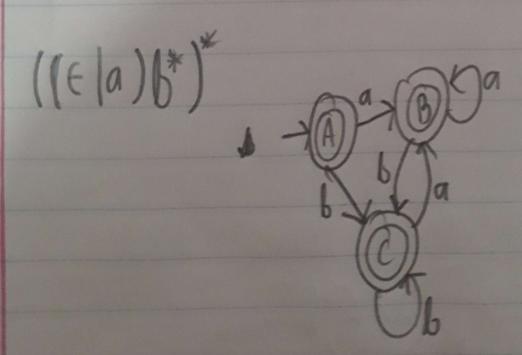
3.4.2) Provide OFA instead of transition diagram



3.9.3)







Chapter 4

4.2.3

a) S7-AB A71A1E B7CB1E C701A

6) S-1S1 | OSO | 1 0 E

0) 5755 | 051 | 150 | E

J) S+UIV U+T1UIT1T V+TOVITOT T+1TOTIOTITIE

e) S+15/0T/E T+0T/01T/E

f) M-P/OMI/IMD/M/OMO P-OIO/110 I+OIO/111/E 5.2.3 a) A.s: B. i+C.s

i) No, ble it contains an inherited
attribute

ii) Yes, From above or fan left

iii) Yes, it is L-attributed so no cycles

Plesent

i) Mo; it contains inherited, attribute

ii) Yes, It is consistent w/ L-attributed

definition from above or from left

iii) Yes, it is L-attributed so no

cycles present

e) A.s = B.s + D.s

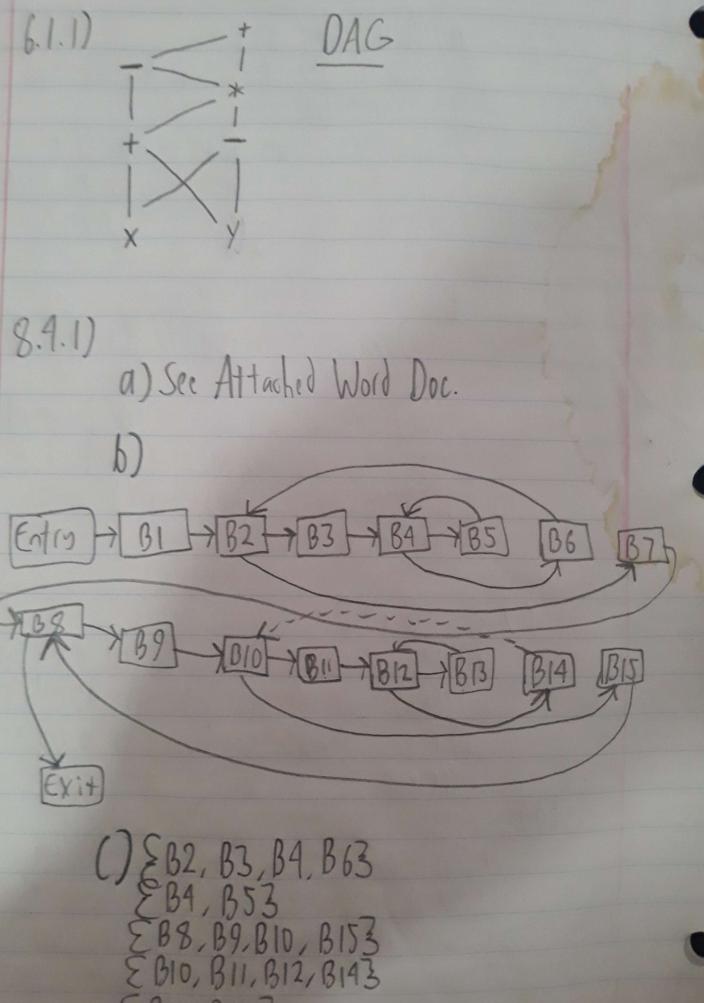
i) Yes, since all the attributes are synthesized

ii) Yes, since all attributes are synthesized

iii) Yes, it is L&S attributed so no cycles are

Present

i) No, it contains an inherited attribute
ii) No, it is consistant with L-attributed def.
Bi. wes A.s. that depends on D.i. which
depends on B.i and therefore cycle is present



B12, B133

## 8.5.1) Construct DAG for basic block

d=b.c e=a+b b=b.c a=e-d

