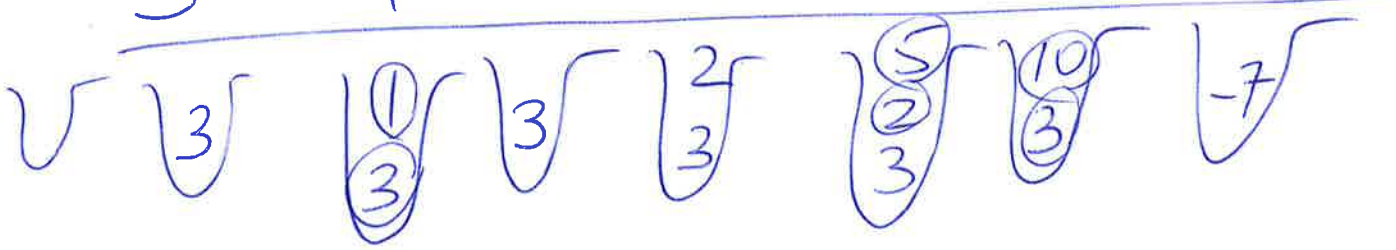
05/18

(-17)

3 * 1 - 2 * 5

3 1 * 2 5 * -

3 1 * 2 5 * -

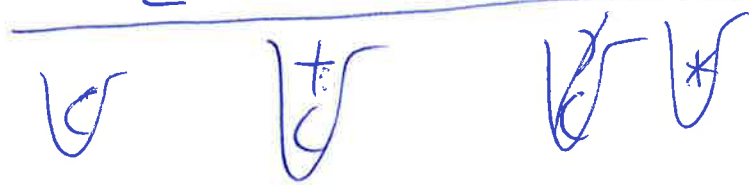


2 + 3 * 4

2 3 4 * +

(2 + 3) * 4

2 3 + 4 *



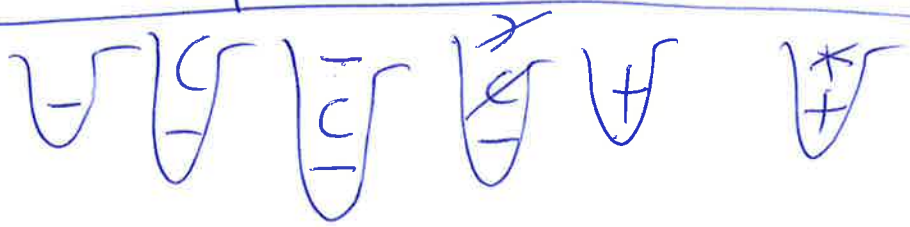
2 3 + 4 *

10/5/18

-2-

$2 - (1 - 3) + 2 * 5$

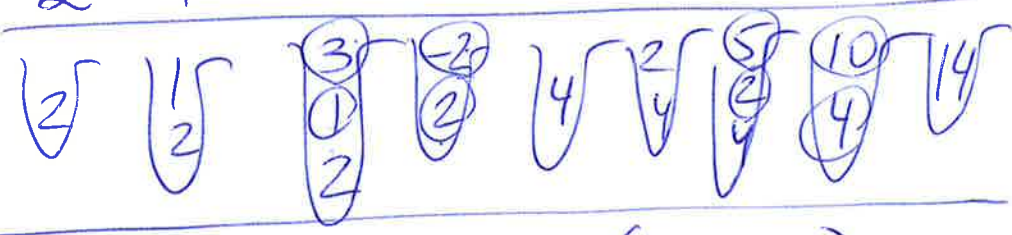
$2\ 1\ 3\ -\ -\ 2\ 5\ *\ +$



$2 - 1 - 3$

$(2 - 1) - 3$

$2\ 1\ 3\ -\ -\ 2\ 5\ *\ +$

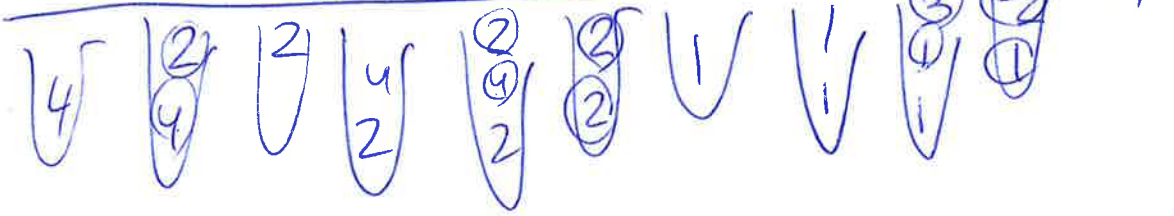


(2/3)

$4\ /\ 2\ /\ (4 - 2) + (1 - 3)$

$4\ 2\ /\ 4\ 2\ -\ /\ 1\ 3\ -\ +$

$4\ 2\ /\ 4\ 2\ -\ /\ 1\ 3\ -\ +$



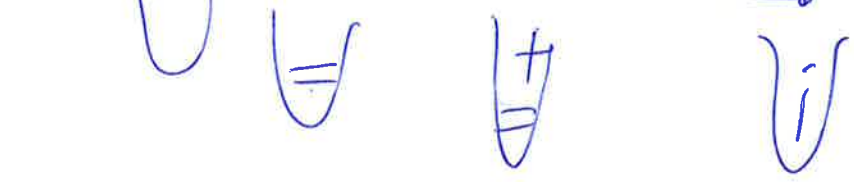
-1

105/18

-3

$x = 3 + 4i \quad y = 2i$

x 3 4 + = i y 2 = i



x = 3 + 4i y = 2i

x 3 4 + = i y 2 = i

x 3 4 + = ; y 2 = ;

= x 7

= y 2

1 − 2

2 + 3 < 4

2 3 + 4 <

LL(k) languages

$2 + |3| * 4$

$S \rightarrow T + S$

$S \rightarrow T$

$T \rightarrow V * T$

$V \rightarrow a$

$V \rightarrow b$

$\vdots$

$V \rightarrow 0$

$V \rightarrow 1$

$\vdots$

after we go k symbols ahead we know which rule to apply

11/05/18
-5-

LL(1)

1: $S \rightarrow F$

2: $S \rightarrow (S+F)$

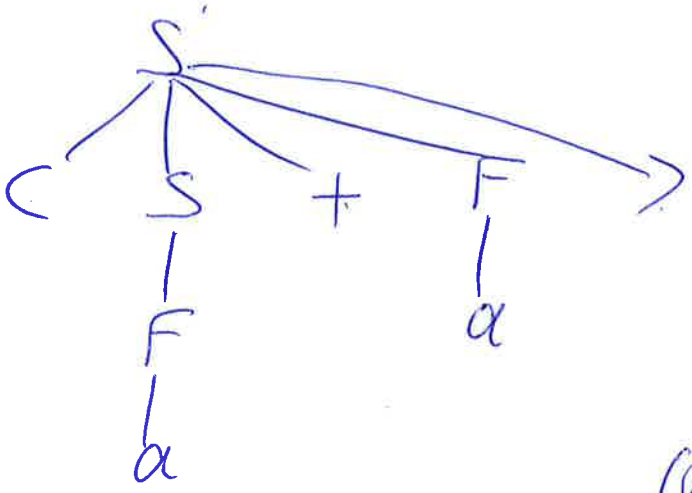
3: $F \rightarrow a$.

(a)

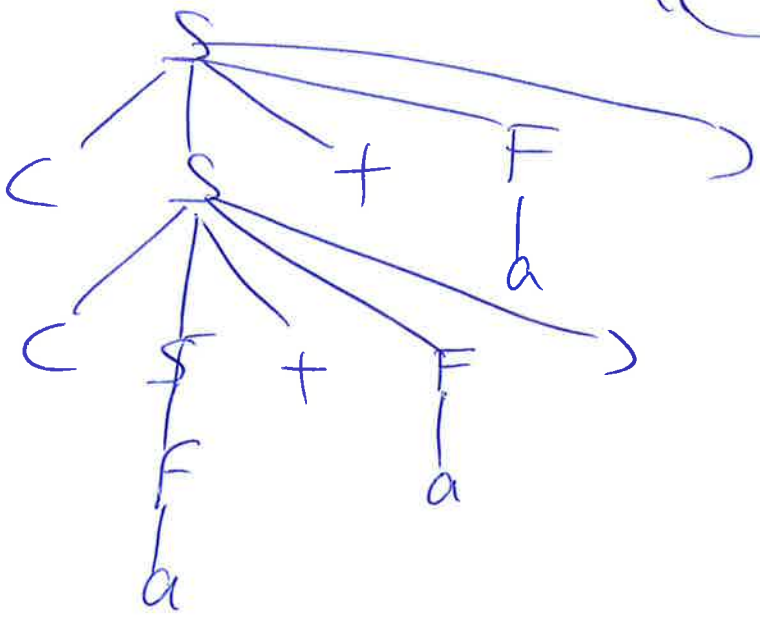
(a+a)

((a+a)+a)

((a)+a)



(((a+a)+a)

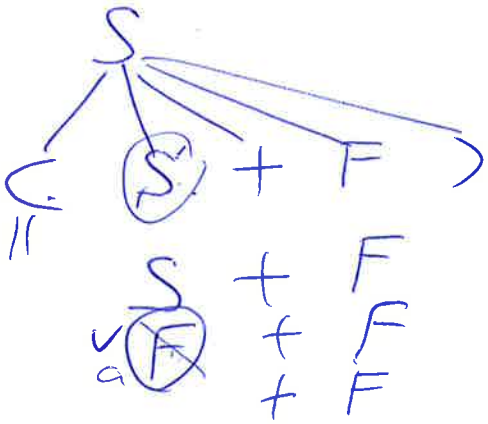


	(	)	a	+	end of line
S	2	—	1	—	—
F	—	—	3	—	—

(a + a)

(2

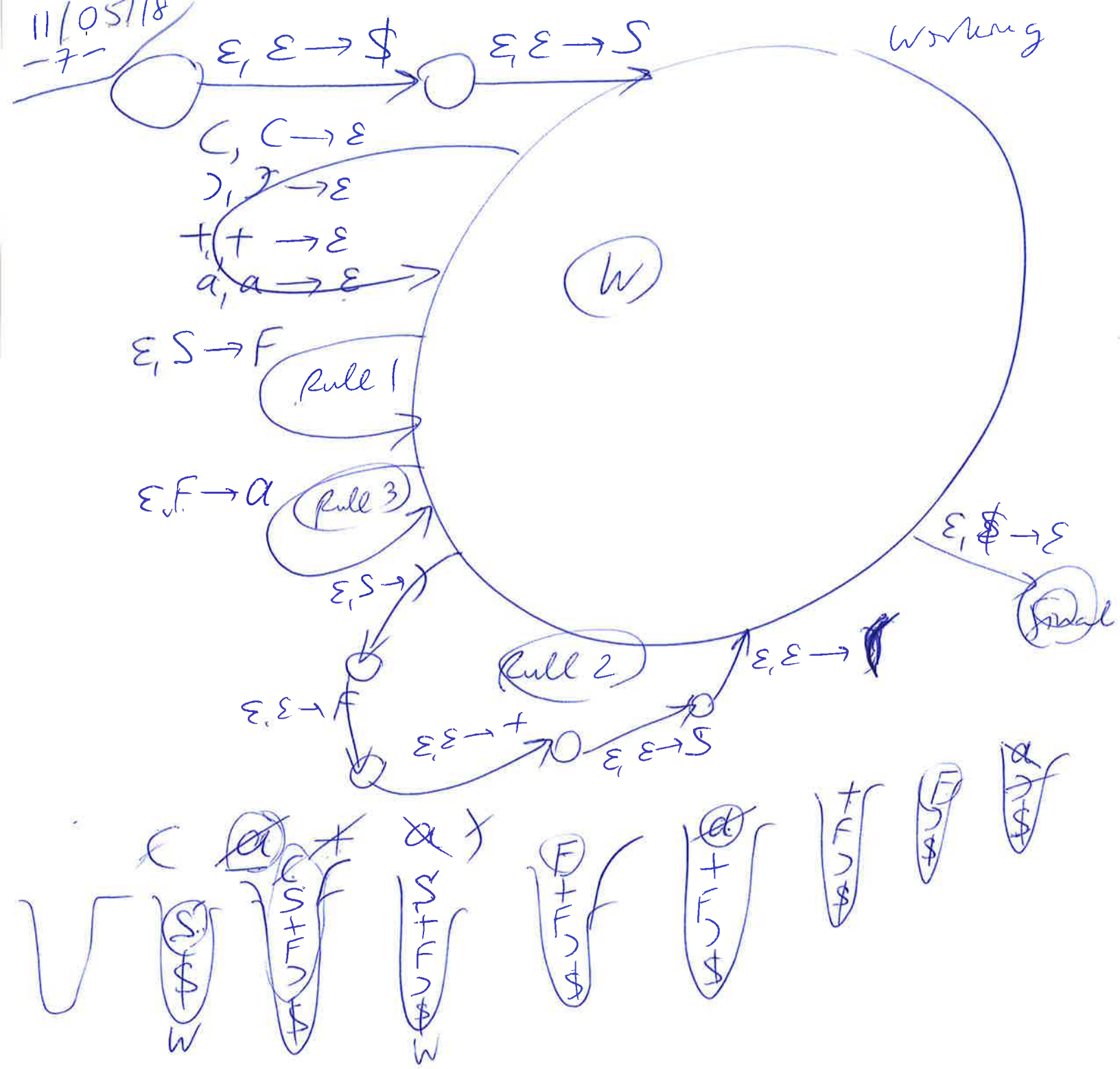
S



S + F

F + F

a + F


11/05/18
-7-
working
ε, ε → $
ε, ε → S
C, C → ε
),) → ε
+, + → ε
a, a → ε
W
ε, S → F
Rule 1
ε, F → a
Rule 3
ε, S →
ε, $ → ε
Final
Rule 2
ε, ε → F
ε, ε → +
ε, ε → S
ε, ε →